IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patents and Applications as shown on

Assignee: Diamond Innovations, Inc.

attached Exhibit "A"

Serial No.: As shown on attached Exhibit "A"

REVOCATION AND GRANT OF NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

The undersigned Assignee of record in the above-referenced patent hereby revokes all previous powers of attorney in connection with this application and appoints the following attorneys, all of whom are associated with <u>Customer Number 21269</u>:

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John Pillion	Reg. No. 52,122	William F. Riesmeyer	Reg. No. 28,343
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		Joseph T. Helmsen	Reg. No. 54,163

of the firm of PEPPER HAMILTON LLP, and every attorney at law associated with that firm, to act on Assignee's behalf before all competent in connection with this application and any continuation therefrom. Please direct all future correspondence in connection with this application to attorney

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Respectfully submitted,

Diamond Innovations, Inc., a Delaware corporation

Prinderse CED

Dated: <u>kbr 8</u>, 20

Patent Number	Application / 4	Title	Filing Date
	Serial Numbers		
4244400	l .	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	7-Sep-88
4311490	823893		29-Jan-86
4311490 4498450		GANG SAW FOR CUTTING BLOCKS OF STONE	20-Jul-83
4498450		Critic Critic Circulation Cardinates	20-Jul-83
4518659	536221	CHILD CHILT OIL COLLING BEGOING CL. B. C.L.	23-Sep-83
4525179	552081	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	14-Oct-83
4525179	542081	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	14-Oct-83
4527998	624064	BRAZED COMPOSITE COMPACT IMPLEMENTS	25-Jun-84
4536442	488003		2-May-83
4536442		PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	2-May-83
4605343	652242	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	20-Sep-84
4661180	713966	METHOD OF MAKING DIAMOND TOOL	25-Mar-85
4690691	830414	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	13-Feb-86
4738689		COATED OXIDATION RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	16-Oct-86
4738689	06/920041	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	16-Oct-86
4797138		POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	11-May-87
	07/048176	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	11-May-87
4797326		SUPPORTED POLYCRYSTALLINE COMPACTS	14-Jan-86 12-Feb-88
4807402		DIAMOND AND CUBIC BORON NITRIDE	12-Feb-85
4810447		SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	3-Feb-88
4828582	153466	POLYCRYSTALLINE ABRASIVE GRIT SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE	29-Jan-87
4832708		DIAMOND	27-Jan-87
4832708	<u> </u>	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	26-Jul-88
4842677		EXCIMER LASER PATTERNING OF A NOVEL RESIST BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO	22-Feb-88
	07/158336	CARBIDE SUPPORTS COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL	[Awaiting]
	07/151,942	STABILITY AND TRANSVERSE RUPTURE STRENGTH	25-Oct-88
4883500		SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	
4899922		BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	22-Feb-88
4931363		BRAZED THERMALLY-STABLE POLYCRSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	12-Jun-89 12-Jun-89
	7/365268	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	30-May-89
	07/358728	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	31-Mar-89
4954139		METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	
4981818	07/479486	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS	13-Feb-90
4985050	7/394349	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	15-Aug-89
	07/277875	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	30-Nov-88
5,011,509	07/390,204	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	<u> </u>
5,011,515	07/390,208	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	[Awaiting]
5022801	07/555879	CVD DIAMOND COATED TWIST DRILLS	18-Jul-90
5022894	7/420191	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	12-Oct-89

	Application Serial Number	Title	Filing Datel
5026960	THE REPORT OF THE PARTY OF	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND	31-Oct-89
5.032.147	07/153,725	COMPACTS HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF	(Awaiting)
	7/366943	FABRICATION PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC	16-Jun-89
		MASSES AND RESUL TING PRODUCT	7-Aug-90
	07/563367	CVD DIAMOND FOR COATING TWIST DRILLS	14-Mar-91
5106392	07/669124	MULTIGRAIN ABRASIVE PARTICLES	20-Dec-90
	7/630916	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	14-Sep-89
5110579	07/407179	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	20-Sep-91
5143523	07/762999	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	
5172681	07/635082	RECIPROCATING POINT ROTARY DIAMOND	28-Dec-90
5173091	7/710725	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	4-Jun-91
5175929	07/845992	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	4-Mar-92
F470002	07/815478	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	4-Mar-92
5188643	07/738758	METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLE S MADE THEREFROM	1-Aug-91
5,190,734	07/660,332	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH	[Awaiting]
5190796	07/722575	TIME ROVED METHOD OF ALL ETHIC METHOD OF THE	27-Jun-91
5190823	07/653556	AND ARTICLES MADE THEREFROM METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND	11-Feb-91
5190823	07/653556	COATINGS TO SUB STRATES METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND	11-Feb-91
5204145	07/948077	COATINGS TO SUBSTRATES APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR	21-Sep-92
·	07/948077	DEPOSITION AND ARTICLES PRODUCED THEREFROM APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR	21-Sep-92
		DEPOSITION AND ARTICLES PRODUCED THEREFROM PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE	14-Mar-91
	07/669259	COMPACTS MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN	25-Mar-92
	07/857139	ELECTROLESSLY DEPOSITED METAL LAYER	[Awaiting]
5,236,674	07/826,809	HIGH PRESSURE REACTION VESSEL	(Awaiting)
	07/792,716	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	·
5250086	07/857132	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	<u> </u>
5256206	07/929239	CVD DIAMOND FOR COATING TWIST DRILLS	14-Aug-92
	07/332914	DIAMOND CRYSTAL GROWTH PROCESS	4-Apr-89
5266236	07/773461	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	9-Oct-91
5273557	07/577379	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	4-Sep-90
5272724	07/859753	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	30-Mar-92
	07/859753	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	30-Mar-92
	08/005951	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	19-Jan-93
5300313	07/991798	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR	16-Dec-92
5306318	08/032750	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING	17-Mar-93
5306318	08/032750	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING	17-Mar-93
5310447	07/744815	WHEELS SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL	12-Aug-91
5320988	07/985500	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC	1-Dec-92
	08/100406	MASSES AND RESUL TING PRODUCT TUNGSTEN METALIZATION OF CVD DIAMOND	2-Aug-93
	07/980.444	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	23-Nov-93
5360479	07/547651	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	2-Jul-90
	1 08/143802	MULTIPLE GRAINED DIAMOND WIRE DIE	27-Oct-93

Patent Number	Application	Title	Filing Date
	Serial Number		
F2C2C07	08/121014	DIAMOND WIRE DIE	14-Sep-93
	08/144168	DIAMOND WIRE DIE WITH POSITIONED OPENING	27-Oct-93
	08/073991	CARBON FLUORIDE COMPOSITIONS	3-Jun-93
	08/188877	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	
5362756	08/1000//	TROCESS FOR WARING WETALLIZED VIAS IN DIAWOND SOUSTIVATES	51-5411-54
5382758	08/188877	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	31-Jan-94
5387447	08/138888	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD	19-Oct-93
5387776	08/060459	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	11-May-93
5391229	08/096392	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	26-Jul-93
5392633	08/016638	MEASURING THE STRENGTH OF ABRASIVE GRAINS	12-Feb-93
	08/172797	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-93
5405573	07/857192	INCLUDING THERM AL SPREADER DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	4-May-92
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5419276	08/163608	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	6-Dec-93
5419798	08/248896	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	25-May-94
5419798	08/248896	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	25-May-94
5424096	S/N: 08/261358 P/N: 5424096	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	13-Jun-94
5424096	08/261358	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	13-Jun-94
5437728	08/364568	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-94
5437728	08/364568	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-94
5437891	08/264268	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH OR IENTATION AND GROWTH FACETS	23-Jun-94
5439492	07/967461	FINE GRAIN DIAMOND WORKPIECES	28-Oct-92
5439492	07/967461	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	28-Oct-92
5445106	08/316995	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	3-Oct-94
	08/238543	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	5-May-94
	07/537963	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS	13-Jun-90
		FOR MAKING SA ME	
	08/148803	OPTICALLY IMPROVED DIAMOND WIRE DIE	5-Nov-93
5468934	08/267181	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	15-Jun-94
5479874	08/306077	PREHEATER FOR CVD DIAMOND REACTOR	14-Sep-94
	08/095631	ABRASIVE TOOL INSERT	21-Jul-93
5486137	08/271307	ABRASIVE TOOL INSERT	6-Jul-94
5486137	08/271307	ABRASIVE TOOL INSERT SEE	6-Jul-94
5490963	08/369047	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	5-Jan-95
5490963	08/369047	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	5-Jan-95
	08/400555	MULTILAYER CVD DIAMOND FILMS	8-Mar-95
5491002	08/400555	MULTILAYER CVD DIAMOND FILMS	8-Mar-95
	08/105523	ABRASIVE TOOL INSERT	11-Aug-93
	08/262796	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	20-Jun-94
5500248	08/286076	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	4-Aug-94
5503104	08/411181	SYNTHETIC DIAMOND PRODUCT	27-Mar-95
		CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR	28-Sep-93
5508071	08/127964	METHOD OF FABRICATION CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF	28-Sep-93
	00/000044	THEIR FABRICATION	12 Oct 04
5510193	08/322841	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	13-Oct-94
5512235	08/239156	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	6-May-94

Patent Number	Application Serial Number	Tiue X	Filing Date
5516554	08/150633	DIAMOND CRYSTAL GROWTH PROCESS	10-Nov-93
5523121	08/220946	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	31-Mar-94
5525815	08/316998	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	3-Oct-94
5529805	08/310449	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	22-Sep-94
	08/368732	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	4-Jan-95
5544254	08/400556	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8-Mar-95
	08/400556	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8-Mar-95
5551277	08/311658	ANNULAR DIAMOND BODIES	23-Sep-94
5560754	08/489877	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A C OMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT	13-Jun-95
5,564,511	08/415,693	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	[Awaiting]
	08/457551	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP- SUBSTRATE BONDING LAYER(S)	1-Jun-95
5603070	08/595715	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	2-Feb-96
	08/350572	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	7-Dec-94
	08/499238	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
	08/499502	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
	08/499237	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
*	08/523,868	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	[Awaiting]
	08/583360	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	5-Jan-96
	08/605417	ÜLTRAFAST OPTICAL MODULATOR	22-Feb-96
	08/412050	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES	28-Mar-95
	08/551593	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	1-Nov-95 26-Jan-96
	08/591879 08/555672	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	13-Nov-95
5672395	08/654815	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	29-May-96
	08/538656	DIAMOND OPTICAL PLATE BEAMSPLITTER	3-Oct-95
5743346	08/611896	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	6-Mar-96
	08/616997	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	14-Mar-96
5829541	08/777222	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	27-Dec-96
5848657	08/777213	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	27-Dec-96
	08/571312	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	12-Dec-95
5858525	08/874769	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FM/MEGADIAMOND	13-Jun-97
	09/072144	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	
	08/119448	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	9-Sep-93
·	08/119448	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	9-Sep-93
	08/950004	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	14-Oct-97
5985228	07/995229	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODU CTION OF MULTICRYSTALLINE CUBIC BORON NITR IDE	22-Dec-92
6009963	08/783171	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CUTTING EFFICIENCY	14-Jan-97
	08/975028	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	20-Nov-97
	08/975429	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	20-Nov-97
6102143	09/072471	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	4-May-98
6126741	09/206721	POLYCRYSTALLINE CARBON CONVERSION	7-Dec-98
6132675	09/087776	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	29-May-98

Patent Num	ber 👍 ,	Application :	Title:	Filing Date
E C		Serial Number		
Statutal Company	6152977	09/201384	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR	30-Nov-98
	. 0.02077		PRODUCING SAME	_
	6 187 068	09/167,196		[Awaiting]
	0,101,000		DISCRETE PARTICLE SIZE AREAS	
	6196910	09/131460	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED	10-Aug-98
			CUTTING BY PREVENTING CHIP BUILD UP	
	6242351	09/591189	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL	9-Jun-00
		00,00	PLANARIZATION OF SEMI CONDUCTOR WAFERS	
	6258721	09/472104	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL	27-Dec-99
	0200.2.	3	PLANARIZATION OF SEMI CONDUCTOR WAFERS	
	6260640	09/492095	AXISYMMETRIC CUTTING ELEMENT	27-Jan-00
		09/358271	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE	21-Jul-99
	0314030	05/050271	CONFIGURATION FOR REDUCING STRESSES	
	6215652	09/845540	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	30-Apr-01
	6313632	09/570957	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR	15-May-00
	6319606	09/3/ 093/	USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR	
			PRODUCTIO N	·
<u> </u>	6222804	09/561128	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	28-Apr-00
		09/484389	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR	14-Jan-00
	0330191	03/404303	PRODUCING SAME	
	6070000	09/576794	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN	23-May-00
	03/2002	09/3/0/94	BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND	-5-, 50
		. (ABRASIVES USING FUNCTIONALIZED DIAMONDS	i ·
	C075446	09/740777	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING	19-Dec-00
	63/5440	09/740/77	RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING	1.0 200 00
			METHOD	
	0077040	09/430477	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN	29-Oct-99
	6377340	09/430477	PROCESSED A T HIGH PRESSURE AND HIGH TEMPERATURES	25 000 00
			PROCESSED A FRIGH PRESSURE AND HIGH TEMPERATORES	
	0.400776	09/484392	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR	14- Jan-00
	6406776	09/464392	PRODUCING SAME	14 0411 00
	0.475054	00/097963	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND	16-Nov-01
	64/5254	09/987863	USE THEREO FIN VITREOUS MATRIX COMPOSITES	1.0 1.01
	0544445	00/702242	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE	26-Feb-01
	6541115	09/793312	TOOL FORMED FR OM COATED DIAMOND PARTICLES	20-1 02 01
·	0500040	40/474044	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND	19- lun-02
	6596040	10/174914	USE THEREO FIN VITREOUS MATRIX COMPOSITES	15-5411-52
	0000750	00/776444	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED	2-Feb-01
	6666753	09/776141	ARRACIVES AND ARRIVES, TOOLS CONTAINING SILVEN-COATED	2-1 00-01
		7/400070	ABRASIVES, AND APPLICATIONS OF THESE TOOLS STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING	11-May-88
0317010	1.	7/192872		11-1107-00
		220000	BLANKS INTERLOCKING MOUNTED ARRASIVE COMPACTS	3-Apr-89
324056			INTERLOCKING MOUNTED ABRASIVE COMPACTS STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	24-Mar-89
324527		7/328348	STUD-MOUNTED POLITICATSTALLINE DIAMOND COTTING BLANK	3-Apr-89
0325226		332814	INTERLOCKING MOUNTED ABRASIVE COMPACTS	24-Mar-89
D330206		328347	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	2-7-Mai-00

Patent Number	Application Serial Number	Title	Filing Date
The second secon	10/437469	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	8-Jul-03
	10/014547	METHOD AND APPARATUS FOR CUTTING GRANITE	14-Dec-01
	10/001573	LOW OXYGEN CUBIC BORON NITRIDE	2-Nov-01
	10/183,098	MATRIX CUTTER	(Awaiting)
	10/255431		26-Sep-02
	10/161,266	ENHANCED METHOD FOR MAKING CVD DIAMOND	[Awaiting]
	10/069362	ICH MICED METHOD FOR MANAGED BY MICHE	25-Aug-00
		DIAMONDS	8-Jan-03
·	10/338136	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	
	10/344249	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Feb-03
	10/437516	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	14-May-03
	09/737667	JADEITE AND ITS PRODUCTION	15-Dec-00
	09/799192	JADEITE AND ITS PRODUCTION	5-Mar-01
	09/931312	HIGH PRESSURE PRODUCTION OF PEROVSKITES	16-Aug-01
	09/988244	CRYSTAL MIXING FOR LOW POWER GRINDING	16-Nov-01
· · · · · · · · · · · · · · · · · · ·	09/729525	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	4-Dec-00
	09/935957	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	23-Aug-01
	09/783441	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	14-Feb-01
	09/901159	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	9-Jul-01
	08/779417	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	7-Jan-97
	60/445609	WEAR AND CORROSION PREVENTION IN FIREARMS	7-Feb-03
	60/445633	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	7-Feb-03
·····	60/445614	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	7-Feb-03
	60/445659	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	7-Feb-03
	60/470306	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	14-May-03
	60/139654	METHOD AND APPARATUS FOR CUTTING GRANITE	17-Jun-99
	60/467311	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	
	60/445632	AIRCRAFT ENGINE WEAR PARTS	7-Feb-03
	60/440455	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	15-Jan-03
	60/464517	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	22-Apr-03
	60/445610	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	7-Feb-03
	60/469285	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	8-May-03
	60/447808	IMPROVED WEAR PEROFRMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	14-Feb-03
	60/445615	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	7-Feb-03
	60/445631	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	7-Feb-03
	60/224485	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Aug-00
· · · · · · · · · · · · · · · · · · ·	60/399778	SCRATCH-PROOF COMPOSITE WATCH GLASS	31-Jul-02
	60/469287	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	9-May-03
	60/445613	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	7-Feb-03
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	60/ 526 372	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	10-Dec-03
	60/ <u>453,487</u>	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	11-Mar-03
	10/621,710		17-Jul-03
		ON TUNGSTEN CARBIDE SUBSTRATES	
	601 <u>495.148</u>	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	14-Aug-03
· · ·	10/731,166	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-	9-Dec-03
		CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	
	60/ 495,148	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT	14-Aug-03
		INITIATION	
	601 509 625	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE	8-Oct-03
		DISTRIBUTION FOR CMP CONDITIONER APPLICATION	•
	60/526,576	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON	3-Dec-03
		MATERIALS	<u>.</u>
	10/690,761	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO	22-Oct-03
	· · · <u> · · · · · · · · · · · · · · · ·</u>	ELIMINATE HOT-BRAZING IN TOOL FABRICATION	·



ASSIGNMENT PATENTS GE SUPERABRASIVES, INC. TO DIAMOND INNOVATIONS, INC.

This Assignment, effective the 315 day of Det., 2003, is by and between GE SUPERABRASIVES, INC., a Corporation, having its principal corporate business address at 187 Danbury Road, Second Floor, Wilton, Connecticut, 06897 ("Assignor"), and DIAMOND INNOVATIONS, INC., a Delaware Corporation, having its principal corporate business address at 6325 Huntley Road, Worthington, Ohio, 46085 ("Assignee") (and collectively, "the Parties").

WHEREAS, Assignor and Assignee are parties to a certain Purchase Agreement dated as of September 24, 2003 (the "Purchase Agreement"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor is the sole owner of all right, title and interest in and to the pending patent applications identified in Appendix A and issued patents identified in Appendix B attached hereto, including all inventions referenced therein and letters patent issued thereon and applications for letters patent applied for with respect thereto, throughout the world, and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, substitutions, and re-examinations of any of the foregoing throughout the world ("Patents");

WHEREAS, pursuant to the Purchase Agreement, Assignor desires to assign and transfer to Assignee all of its right, title and interest in and to the Patents, and Assignee desires to acquire the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Without limiting the foregoing, the Assignor hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, all right, title and interest in and to the Patents, together with all rights to sue for past infringement of said Patents and all causes of action (either at law or equity) with respect thereto, the right of recovery, including but not limited to damages, for such past infringement, and the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and for the use

and benefit of its successors, assigns and legal representatives. Assignor hereby authorizes the Assignee to record ownership of the Patents directly in Assignee's own name in any jurisdiction, municipality or agency, in which recordation is required.

IN WITNESS HEREOF, the parties hereto have duly executed this Agreement as of the Effective Date.

Signed at _	NEW YORK, NY	 on this 315 day of DECEMBER, 2003.
*		
		 GE SUPERABRASIVES, INC. Assignor
		By: Lat
		Name: William C. Carstanjen
,		Title: Vice President, Secretary

DIAMOND INNOVATIONS, INC.

By: Janya D. Frato

Title: Presidn & (80

AGREED AND ACCEPTED:

STATE OF New York) COUNTY OF New York) ss:
COUNTY OF New York)
BEFORE ME, the undersigned authority, on this day personally appeared William C.
Carstanjen, known to me to be the person whose name is subscribed to the foregoing instrumen
and acknowledges to me that he executed same for the purposes and consideration therein
expressed in the capacity therein stated and as an act and deed of said corporation.
Given under my hand and seal of Office this 315 day of December, 2003.
MellerChave
Notary Public My Commission Expires: 5/27/87
My Commission Hypers: 5/07/87

Given under my hand and seal of Office this 2004,

WE OF OTH

corporation.

STATE OF

KAREN PREEST Notary Public, State of Ohio My Commission Expires 09-09-08 Notary Public

My Commission Expires:

Notary Public, State of New York
No. 01CH6092796
Qualified in Queens County
Commission Expires 05/27/20

APPENDIX A

ASSIGNMENT OF PATENTS GE SUPERABRASIVES, INC. TO DIAMOND INNOVATIONS, INC.

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60SD317 [Filed]	S	United States	S S	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 FRed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS		Sn	S/N; 07/158336 P/N; 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		S	S/N; 008491 P/N; 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	Sn	S/N: 713966 P/N: 4661180	25-Mar-85	-	
60SD333 (Filed)	POLYCRYSTALLINE ABRASIVE GRIT	Т	Γ	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT			S/N: 793462 P/N: 4828582	1-Sep-88	-	
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States 1		S/N: 07/669259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States		S/N: 07/669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	ALLINE CBN			S/N: 7/429661 P/N: 5026960	31-Oct-89		
60SD368 JFTled	ON NITRIDE	_	SN	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Fled]		United States			24-Mar-89		
6050390 rm-m	PECIPECCATING POINT ROTARY DIAMOND	United States	Sn		28-Dec-90	-	
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE				3-Apr-89	_	
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING	United States	SN	S/N: 262405 P/N: 4883500	25-Oct-88	-	
	POLYCRYSTALLINE DIAMOND GRIT	\neg		C3C3C7 144 C7 C7 C7 C7	16 Aug 80		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND	United States	8	VIN: 11684648 TIN: 4805055) Bruger	·	
60SD428 IEBed	DIAMOND COMPACTS FOR ROCK DRILLING	United States	Sn	S/N: 7/420191 P/N: 5022894	12-Oct-89		
	AND MACHINING		٤	CA1: 224028 DAN: 4054130	31-Mar-89	-	
60SD437 [Fited]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS LITTLE AT CABBIDE SI IDDOPTINIAMOND OR	United States	3	501.55 THE 501.05			
	CBN INTERFACES			100 CO 10	24 Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	SO	S/N; 328348 P/N; D344327			
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE	United States	SN	S/N; 7/328348 P/N; 324527	24-Mar-69		
60SD440 (Filed)	INTERLOCKING MOUNTED ABRASIVE	United States	SN	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	COMPACIS COMPOSITE MASSES AND THEIR	United States	Sn	S/N; 7/630916 P/N: 5106792	20-Dec-90	·	
60SD458 (Filed)	MULTI-LAYER METAL COATED DIAMOND	United States	Sn	S/N; 07/857132 P/N: 5250086	25-Mar-92		
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FIIIII NO TYPEISNIPN	SN: 365268 PN: 4931363	S/N: 07/479486 P/N: 4981818	S/N: 08/127964 P/N: 5508071			S/N: 07/55879 P/N: 5022801 S/N: 07/577379 P/N: 5273557	S/N: 07/547651 P/N: 5360479	S/N; 07/773461 P/N; 5266236	S/N: 08/400555 P/N: 5491002			S/N: 08/220946 P/N: 5523121					S/N: 08/005951 P/N: 5300129		S/N: 07/995229 P/N: 5985228	S/N: 07/857192 P/N: 5405573 4	S/N: 07/857139 P/N: 5232469
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60SD643 [Filed]	30	United States		S/N: 08/322841 P/N: 5510193	13-Oct-94			
60SD643 [Filted]	10.5	United States	Sn	SIN: 08/595715 PIN: 5603070	2-Feb-96			
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	Sn	S/N; 08/369047 P/N; 5490963	5-Jan-95	+		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	ns	S/N: 07/967461 P/N: 5439492	28-Oct-92	+		
60SD652 [Fled	Т	United States		S/N: 08/095631 P/N: 5484330	21~Jul-93			
OSD653 Filed	0	United States	S	SN: 08/489877 PN: 5560754	13-Jun-95			·
60SD658 [Fled]	ABRASIVE TOOL INSERT SEE CIP	United States	Sn	S/N: 08/105523 P/N: 5494477	11-Aug-93			
0SD660 [Filed]	MASSES	United States		S/N: 07/985500 P/N: 5320988	1-Dec-92			
60SD662 (Filed)	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CLIT AND PRESSIRE CIFAVAGE	United States	sn	S/N: 08/060459 P/N: 5387776	11-May-93	В		
60SD664 [Fited]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	sn	S/N; 08/400556 P/N; 5544254	8-Mar-95			
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	S	S/N: 08/016638 P/N: 5392633	12-Feb-93			
60SD669 [Filed]	S FOR MAKING COATED ABRASIVES INDING WHEELS	United States		S/N: 08/032750 P/N: 5306318	17-Mar-93			
60SD690 [Filed]	П	United States	S	S/N: 08/143802 P/N: 5361621	27-Oct-93			
60SD691 [Filed] 60SD693 [Filed]	MPACT WITH IMPROVED	United States		S/N; 08/571312 P/N; 5855996	12-Dec-95			
60SD693 [Fled]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	Sn	S/N: 09/087776 P/N: 6132675	29-May-98			
60SD694 [Filed]		United States		S.N: 08/121014 P.N: 5363687	14-Sep-93 6-Jul-94	-		
60SD696 [Fled]	ABRASIVE TOOL INSERT CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR	United States	S	S/N: 08/127964 P/N: 5508071	28-Sep-93			
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED	United States	Sn	S/N: 08/144168 P/N: 5377522	27-Oct-93			
60SD708 [Fled]	A METHOD FOR MANUFACTURING A DIAMOND United States	United States	ns	S/N: 08/310449 P/N: 5529805	22-Sep-94			
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States	Sn	S/N: 08/286076 P/N: 5500248	4-Aug-94			
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States	ns	S/N; 08/583360 P/N; 5647878	5-Jan-96			

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Piecal DIAMOND FILMS DIAMOND COMPACT DIAMOND	•	60SD726 [Filted]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	7			1-Nov-95	3		
CLASSIFYING AND SORTING CRYSTALLNE United States US SN: 084/00556 PN: 564/254			PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	Γ			5-Jan-95			
Fined MULTILAYER CVD DIAMCND FILMS United States US Sin; 084/30555 PN; 549/1002			CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8			8-Mar-95			•
Miled States US SIN: 08/355672 PN: 5669944							8-Mar-95			
POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 08/975/228 PIN: 6042463			5				13-Nov-95	<u>.</u>		
Filed COMPOSITE POLYCRYSTALLINE DIAMOND United States United States United States United States US SIN: 08/131460 PIN: 5662720 Filed POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 08/131460 PIN: 604540 Filed POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 08/131460 PIN: 6196910 Filed POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 08/131460 PIN: 5196910 Filed POLYCRYSTALLINE DIAMOND CUTTING BY PREVENTING CHIP BUILD UP Filed POLYCRYSTALLINE DIAMOND CUTTING ELEMENT United States US SIN: 08/177213 PIN: 5829541 Filed POLYCRYSTALLINE DIAMOND RIDGE PATTERN United States US SIN: 08/178417 Filed POLYCRYSTALLINE DIAMOND RIDGE PATTERN United States US SIN: 08/178417 Filed COATED CBN POLYCRYSTALLINE United States US SIN: 08/1744 PIN: 5869015 Filed COATED CBN POLYCRYSTALLINE United States US SIN: 08/17469 PIN: 5829525 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5858525 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5858525 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5858525 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN United States US SIN: 08/177169 PIN: 5869015 Filed SYNTHETIC GASKET MATERIAL FOR USE IN UNITED USING MATERIAL FOR USE IN UNITED USING MATERIAL FOR U		60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING				20-Nov-97			
Fined POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 08/975429 PIN: 6045440		60SD750 Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97	T -			26-Jan-96			
Filed POLYCRYSTALLINE DIAMOND COMPACT United States US SIN: 09/131460 PIN: 6196910			POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	88			20-Nov-97			
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60SD785 [Filed]	[Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND United States ITS PRODUCTION	Julted States	S	S/N: 09/561128 P/N: 6322891	28-Apr-00			
	[Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CUTTING EFFICIENCY	United States	sn	S/N: 08/783171 P/N: 6009963	14-Jan-97			
	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	S	S/N; 08/950004 P/N; 5957005	14-Oct-97			
	Filed	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	sn.	SN: 09/358271 P/N: 6314836	21-Jul-99	-		
	[Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	Sn	S/N: 09/492095 P/N: 6260640	27. Ian On	-		
	[Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States		S/N: 09/072471 P/N: 6102143	4-May-98	+		
60SD796	Filed	TITANIUM CHROMIUM ALLOY COATED	United States	S	S/N: 09/570957 P/N: 6319608	15 May 00			
		DIAMOND CRYSTALS FOR USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR PRODUCTIO N				no-kew-cı			
60SD802	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE	United States	Sn	S/N: 10/338136	8-Jan-03			
		PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	,						
60SD805 [Filed]	[Fled]	HIGH PRESSURE APPARATUS HAVING	United States	Sn	S/N: 09/740777 P/N: 6375446	19-Dec-00	-		
		TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND							
00000		CORRESPONDING ME I NOD		1					
60SD811	Fled		United States	SO	S/N; 09/988244	16-Nov-01	-		
00000		GRINDING AND ADDADATI IS EOD OF ITTINO	1-land Chatan	2	CAL: 60/130654	17. hip.00			
			Julied States		5/N. du/ 1,39034	ee-line l			
60SD812	[Filed]	Š	United States	sn	S/N: 10/014547	14-Dec-01			
60SD817	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	sn sn	S/N: 10/069362	25-Aug-00			
60SD820 [Filed]	(Filed)	SURFACE MODIFICATION OF COATED	United States	s sn	S/N; 09/901159	9-Jul-01			
		ABRASIVES TO ENTANCE THEIR ADDRESSON IN RESIN BOND TOOLS							
60SD827 [Filed]	[Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	sn_	S/N: 09/845540 P/N: 6315652	30-Apr-01			
60SD831 Filed	Filed	RE AND HIGH TEMPERATURE	United States	Sn .	S/N: 60/224485	11-Aug-00			
60SD831 [Filed]	[Filed]	EMPERATURE	United States	Sn	S/N: 10/344249	11-Feb-03			
000		PRODUCTION OF DIAMONDS	Introd Chates	2	C.N. 00/776141 P.N. 6666763	2-Feb-01			
BUSUSUS (Filed)	(Filed)	BRASIVES,	Select Office						
60SD839 (Filed)	Filed		United States	Sn	S/N: 09/737667	15-Dec-00			
60SD839 FFIed					S/N: 09/799192	5-Mar-01			
60SD845	Filed	AND ITS	United States		S/N; 09/935957	23-Aug-01			*
		PRODUCTION				+			

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605.D845 [Filed]		United States		S/N: 10/262784	2-0ct-02			***
	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	S)	S/N: 09/987863 P/N: 6475254	16-Nov-01	.		Ť
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	Sn	S/N: 10/174914 P/N: 6596040	19-Jun-02			<u> </u>
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	sn	S/N; 09/931312	16-Aug-01			\neg
	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	United States	Sn	SN: 652242 PN: 4605343	20-Sep-84			
	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	ಸ	S/N; 830414 P/N; 4690691	13-Feb-86			
RD17340 Filed	DIAMOND CRYSTAL GROWTH PROCESS DIAMOND CRYSTAL GROWTH BROCESS	United States			4-Apr-89			_
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN	United States	3 5	S/N: 08/150633 P/N: 5516554 S/N: 48176 P/N: 4797138	10-Nov-93 11-May-87			ТТ
	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	Sn	S/N: 07/048176 P/N: 4797138	11-May-87			
RD18116 Filed	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	S	S/N: 07/744815 P/N: 5310447	12-Aug-91			
RD18402 (Filed)	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	S)	S/N; 224416 P/N: 4842677	26-Jul-88			_
RD18693 [대ed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUB STRATES	United States	SD SD	S/N: 07/653556 P/N: 5190823	11-Feb-91			
RD19369 [Filed]		T	sn	S/N: 07/407179 P/N: 5110579	14-Sep-89			
RD19369 [Filed]:	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING		รก	S/N: 07/859753 P/N: 5273731	30-Mar-92			
RD19567 [Fled]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SA ME	United States	s Sn	S/N; 07/537963 P/N; 5464071	13-Jun-90			
RD20142 [Filed]	VERY HIGH	United States		S/N: 08/163608 P/N: 5419276	6-Dec-93			
RD20142 (Filed)	VERY HIGH		S Sn	S/N: 08/368732 P/N: 5540904	4~Jan-95			· · · T
RD20790 [Fled]	DIAMONDS BY AND ROM	United States	s S	S.N.: 07/948077 P.N.: 5204145	21-Sep-92			
RD20983 [mach/eted]		United States	s S	S/N: 07/980,444 P/N: 5356955	23-Nov-93		×.	
RD21018 [Filed]	SION OF S TO	United States	s Sn	S/N: 07/653556 P/N: 5190823	11-Feb-91			
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	s Sn	S/N: 07/722575 P/N: 5190796	27-Jun-91			

Pined METHOD OF PRODUCING ARTICLES BY United States	DOWN TANGO			FIIIIg Country	Country	Fiffing Country Country Filling No/Type/SA/PN	Filling Date	Agent	Agent Comments	
CHEMICAL VAPOR DEPOSITION AND THE	RD21034 pm	nactiveted	_	United States		S/N: 08/119448 P/N: 5869133	0 000			▓
Pred			CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN				261			
Prese Control Or Appl. Virgo Or	4D21356 FF	lled)	METHOD FOR PRODUCING ARTICLES BY	United States		S/N: 07/845992 P/N: 5175929	4-Mar-92			
THERETEROAM WITRIDE AND ARTOLE S MADE THERETEROAM CURRENAME THE CONMINION DEFACTOR Inhind States US SIN: 00208077 PN: 5198043 THERETEATER FOR CUO DIAMOND REACTOR Inhind States US SIN: 007081789 PN: 5197071 THERETEATER FOR CHARAPHITE FORWARTON INHING States US SIN: 007081789 PN: 5197071 THERETEATER FOR CHARAPHITE FORWARTON INHING States US SIN: 007081789 PN: 5207013 Fined STANDING DAMOND USED LAYERS Fined CHEMICAL WADRA DEPOSITION AND CHARAPHITE BUILDING STATES USED STATES OF MARKING THEREFORM THE STATES OF MARKING THE MARKING		Tled	METHOD OF APPLYING METAL COATING ON	Inited States	1					
Fined STREETER FOR CUO DIAMOND REACTOR United States U.S. SIN: 08748867 PN: 5419788		, .	CUBIC ORON NITRIDE AND ARTICLE S MADE THEREFROM	Salaic Dallico		S/N: U///38/38 P/N: 5188643	1-Aug-91			İ
Piece CHENGAL LASER ETCHING C FORMATION United States US SIN: 07829759 PN: 5373731		lled.		United States		S.M. OBLOGOZZ D.M. E470974				i
Filed SUBSTANTMALY TRANSPARENT FREE United States US STANDING DIADMOND FILED STATES		Fled	١.	United States		S/N: 08/248896 P/N: 5419798	14-Sep-94 25-May-94			
Pined METHOD FOR DETERMINING THICKNESS OF United States US Shr. 07891799 Phys. 5302313 Pined PROCESS FOR MAKING DEPOSITED LAYERS United States US Shr. 07898077 Phys. 5302132 Pined APPARATUS FOR CHEMICAL WAPON DEPOSITION AND Pined States US Shr. 07898077 Phys. 5307136 Pined APPARATUS FOR CHEMICAL WAPON DEPOSITION AND United States US Shr. 08717297 Phys. 5397296 Pined APPARATUS FOR CHEMICAL WAPON DEPOSITION OF DIAMONIO TO LUMON DEPOSITION OF DIAMONIO TO LUMON DEPOSITION OF DIAMONIO TO LUMON DEPOSITION OF DIAMONIO DIAMONIO DEPOSITION OF DIAMONIO DEPOSITION OF DIAMONIO DEPOSITION OF DIAMONIO DIAMONIO DEPOSITION OF DIAMONIO DIA		Hed	SUBSTANTIALLY TRANSPARENT FREE	United States		S/N: 07/859753 P/N: 5273731	30-Mar-92			İ
PROCESS FOR MAKING METALLEED VIAS IN United States US SIN: 08/188877 PIN: 5387388	RD22055 FF	-lled]	METHOD FOR DETERMINING THICKNESS OF	United States		S/N: 07/991798 P/N: 5300313	18-Dec-92			
Piece APPARATUS FOR CHEMICAL WADNE DIAMOND BY United States US SIN: 07/948077 PNI: 5204145	RD22294 FI	lled	PROCESS FOR MAKING METALLIZED VIAS IN	United States		S/N: 08/188877 P/N: 5382758	31~Jan-94			
CHEMICAL VAPOR DEPOSITION AND AFTICLES PROUNCED THEREFROM PRICE SPACE AND ACTION OF DIAMOND INCLUDING GRAPHITE SIGNATURE CARBON CONVERSION INCLUDING THEM APPRARTUS FOR CHEMICAL VAPOR DIAMOND INCLUDING THEM APPARATUS FOR CHEMICAL VAPOR DIAMOND INCLUDING THEM APPARATUS FOR CHEMICAL VAPOR DIAMOND INCLUDING THEM APPARATUS AND METHOD FOR MAKINGH HIGH THERMAL. United States US SIN: 08/10/10/40/6 PIN: 543/728 IPIN-61/20/10/40/6 PIN: 543/728 IPIN-61/20/20/10/40/6 PIN: 543/728 IPIN-61/20/20/20/20/20/20/20/20/20/20/20/20/20/	3D22486 FI	Hed	JCING DIAMOND BY	United States	T	S/N: 07/848077 D/N: 5204145	20 20 30			
Piecal APPARATUS FOR CHEMICAL VAPOR United States US SIN: 08/05/392 PIN: 5391229		•	; ;			500. 5153-5517 FIN. 5204 145	76-dec-17			
Graphite Substrate Hollders Graphite Substrate Hollders	1022514 FF	iled	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING	United States		S/N; 08/096392 P/N; 5391229	26-Jul-93		2	
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Fined TUNGSTEN METALIZATION OF CVID DIAMOND United States US SIN: 08/100406 PIN: 5346719		5		Inited States		S/N: 09/206721 P/N: 6126741	7-Dec-98			
Filed METHOD FOR MAKING HIGH THERMAL United States US SIN: 08/216/9595 PIN: 5445106 CONDUCTING DIAMOND CONDUCTING DIAMOND CONDUCTING DIAMOND FOR CHEMICAL United States US SIN: 08/26/13/68 PIN: 5424096 VAPOR DEPOSITION OF DIAMOND CHEMICAL VAPOR DEPOSITION OF DIAMOND Filed METHOD OF PRODUCING ARTICLES BY United States US SIN: 08/26/26/8 PIN: 5437/891 Filed METHOD OF PRODUCING ARTICLES BY United States US SIN: 08/26/26/8 PIN: 5437/891 Filed CHEMICAL VAPOR DEPOSITION OF United States US SIN: 08/26/26/8 PIN: 5437/891 Filed POLYCRYSTALLINE DIAMOND WITH PACETS Filed PROCESS FOR MAKING METALLIZED VIAS IN United States US SIN: 08/26/96/8 PIN: 540/96 Filed APPARATUS FOR ANINEALING DIAMOND United States US SIN: 08/26/96/8 PIN: 549/96 Filed APPARATUS FOR DEPOSITION OF DIAMOND United States US SIN: 08/26/96/9 PIN: 549/96 Filed APPARATUS FOR DEPOSITION OF DIAMOND United States US SIN: 08/26/96/9 PIN: 549/96/9 Filed APPARATUS FOR MAKING THERMAL CONDUCTORS United States US SIN: 08/26/96/9 PIN: 549/96/9 Filed SUPPRESSION OF GRAPHITE FORWATION United States US SIN: 08/24/96/9 PIN: 549/96/9 Filed SUPPRESSION OF GRAPHITE FORWATION United States US SIN: 08/24/96/9 PIN: 549/96/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/96/9 PIN: 549/96/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/96/9 PIN: 549/96/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/96/9 PIN: 549/99/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/96/9 PIN: 549/99/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/99/9 PIN: 549/99/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/24/99/9 PIN: 549/99/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/99/9 PIN: 549/99/9 CREATING LASER ETCHING OF DIAMOND United States US SIN: 08/99/9 PIN: 549/	D22800 IFE			United States			2-Aug-93			
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VAPOR DEPOSITION OF DIAMOND	D22980 F	[jed]	APPARATUS AND METHOD FOR CHEMICAL	United States		S/N: 08/261358 P/N: 5424096	13-Jun-94			
Filed METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION OF DIAMOND Filed CHEMICAL VAPOR DEPOSITION OF DIAMOND CHEMICAL VAPOR DEPOSITION OF DIAMOND WITH OR Filed CHEMICAL VAPOR DEPOSITION OF DIAMOND WITH OR Filed CHEMICAL VAPOR DEPOSITION OF DIAMOND WITH OR Filed CHEMICAL VAPOR DEPOSITION OF DIAMOND WITH OR Filed CHEMICAL VAPOR DEPOSITION OF DIAMOND WITH OR Filed DIAMOND SUBSTRATES Filed DIAMOND SUBSTRATES Filed DIAMOND OPTICAL PLATE BEAMSPLITTER United States US SIN: 08/738556 PIN: 5424096 VAPOR DEPOSITION OF DIAMOND Filed APPARATUS FOR MAKING THERMAL CONDUCTORS Filed OF GRAPHITE CHEMICAL VAPOR DEPOSITION OF GRAPHITE FORMATION Filed United States US SIN: 08/261358 PIN: 5424096 CHEMICAL VAPOR DEPOSITION OF DIAMOND Filed Suppression of GRAPHITE FORMATION United States CHEMICAL VAPOR DEPOSITION OF GRAPHITE FORMATION CHEMICAL VAPOR DEPOSITION OF GRAPHITE		TENED AT	Inited Ctoton	Ī	S.M. Demarage D.M. 5437728	77-Dec-94			-	
METHOD OF PRODUCING ARTICLES BY United States US SN: 08/119448 PN: 5869133		(ped)				3114, UG/304-300 F/114, 57-31 / EG				-
CHEMICAL VAPOR DEPOSITION OF United States US S/N: 08/264268 P/N: 5437891		[page	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States		S.N.; 08/119448 P.N.; 5869133	9-Sep-93	·		l
FIND AND GROWTH FACETS Filed Color		:lled)	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH OR	United States		S/N: 08/264268 P/N: 5437891	23-Jun-94		, .	
PROCESS FOR MAKING ME I ALLIZED VIAS IN United States US S/N: 08/738656 P/N: 502-725.			7	1.00		CAL 08/188877 DAN 5382758	31. lan.94			-
Filed DIAMOND OPTICAL PLATE BEAMSPLITTER United States US S/N: 08/538656 P/N: 5706135 APPARATUS FOR ANNEALING DIAMOND United States US S/N: 08/261181 P/N: 5468934 WATER JET MIXING TUBES United States US S/N: 08/261358 P/N: 5424096 VAPOR DEPOSITION OF DIAMOND United States US S/N: 08/26196 P/N: 5494753 SUPPRESSION OF GRAPHITE FORMATION United States US S/N: 08/248896 P/N: 5419798 Chied Suppression of Graphite Formation United States US S/N: 08/248896 P/N: 5419798 Chied DURING LASER ETCHING OF DIAMOND United States US S/N: 08/248896 P/N: 5419798 Chied States US		lled.		United States		SIN; USI 18681 1 FIN. 3302130				
Filed APPARATUS FOR ANNEALING DIAMOND United States US S/N: 08/26/7181 P/N: 5488934	1	Page 1	П	United States		S/N; 08/538656 P/N: 5706135	3-Oct-95			١
APPARATUS AND METHOD FOR CHEMICAL United States US SN: 08/261358 PN: 5424096		lled)	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States		S/N; 08/26/181 P/N; 5468934	15-Jun-94			- 1
Filed ARTICLES HAVING THERMAL CONDUCTORS United States US S/N: 08/262796 P/N: 5494753	1	E G	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States		S/N; 08/261358 P/N; 5424096	13-Jun-94			- }
(Filed) SUPPRESSION OF GRAPHITE FORMATION United States US S.N.: 08/248896 P/N: 5419798 DURING LASER ETCHING OF DIAMOND		(page		United States		S/N: 08/262796 P/N: 5494753	20-Jun-94			- 1
		iled	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States		S/N: 08/248896 P/N: 5419798	25-May-94			
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RD23717 [Filted]		United States	1	S/N: 08/605417 P/N: 5659415	22-Fah-96		
RU23819 (Filed)	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THERRY	United States	s _n	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States		N. 08/409238 D.M. 5634369	1,100	+	
RD23948 [Fled]	DIAMOND FILM STRUCTURE WITH HIGH	United States	Sn	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 (Fleed	SYNTHETIC DIAMOND BROWNST					_	
BD24141 151-4	ADDADATI IS AND METHOD FOR SECOND	Unifed States	ns	S/N: 08/411181 P/N: 5503104	27-Mar-95		
	VAPOR DEPOSITION OF DIAMOND	United States		S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States		S/N: 08/499237 P/N: 5636545	7. hut of		
RD24447 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	S	S/N: 08/499502 P/N: 5634370	7-111-95	+	
RD24450 [Filed]	ELECTRONIC APPARATUS WITH COMPLIANT	United States		S/N: 08/457551 P/N: 5567985	1-Jun-95	-	
	METAL CHIP-SUBSTRATE BONDING LAYER(S)				3		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAMF	United States	sn	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	ACE-FUNCTIONALIZED DIA	United States	s	S/N: 09/484389 P/N: 6350191	14~Jan-00		
	SAME						
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND	United States	sn	S/N: 09/484392 P/N: 6406776	14~Jan-00	-	0
	CRYSTALS AND METHOD FOR PRODUCING S AME						
RD25308 [Filted]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States		S/N: 09/783441	14-Feb-01		
RD27003 (Filed)	DIAMOND MICRO SLURRY FOR CHEMICAL-	United States	SN	S/N; 09/472104 P/N; 6258721	27-Dec-99		
	MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS						
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL- MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	sn	S/N: 09/591189 P/N: 6242351	00-un-60		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL	United States	Sn	S/N: 09/430477 P/N: 6377340	29-Oct-99	_	
	DIAMONDS THAT HAVE BEEN PROCESSED A T HIGH PRESSURE AND HIGH TEMPERATURES						
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH	United States	S	S/N; 09/576794 P/N; 6372002	23-May-00		
·	ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING						
	FUNCTIONALIZED DIAMONDS	I Literal Change	2	CAN: 09/703312 DIN: 6541115	26-Feb-01		
RD28183 [Filed]	METAL-INFILITATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM			314. 03/ 1905 L T.M. 604 L.M.			
	COATED DIAMOND PARTICLES	Inited Cloton	<u>u</u>	C.N. 10/255431	28-Sep-02		
RD28183 [Filed]	METAL-INFILITATED POLICETS FALLING DIAMOND COMPOSITE TOOL FORMED FROM						
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND	United States	sn	S/N: 09/729525	4-Dec-00		
1340A7 rehad	METHOD TO STABILIZE FRAME SAW BLADES	United States	ns	134047 -1 Provisional (Filed)	14-Aug-03		

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[Awaffing]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	13	0 CM: 09/467 406 DM: 6 407 660/4			
	COMPACT WITH DISCRETE PARTICLE SIZE		3	(101,05) Sitt. Co. 101, 150 File. G. 101,050	[Guarant]		
TAwaithe.	AREAS						
(Diameter)	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	Sn	Desired S/N: 08/523 868 P/N: 6 645 647 [Awatten]	[Awaithwr]	Ī	
	COMPACT WITH IMPROVED IMPACT AND	•		10,000,000			
	THERMAL STABILITY			•	•		
[Sungacuta]	COMPOSITE POLYCRYSTALLINE COMPACT	United States US	Si	Dening S/N: 08/44E 604 Dibl. E 664 644	The state of the s	Ī	
	WITH IMPROVED FRACTURE AND		}				
	DELAMINATION RESISTANCE						
[Swaring]	HIGH PRESSURE/HIGH TEMPERATURE	United States 116	2				
;	PISTON-CYLINDER APPARATUS		3	(marked) S/N: 0/1/34,/76 P/N: 6,244,368 (Awaring)	[Awaiing]		
[Junamy]	HIGH PRESSURE REACTION VESSEL	United States 115	2	# CAI: 07/036 900 DM: F 900 0-			
			3_	[marged] 2/19; 01/070,003 P/N: 5,236,674 [Awaring]	[Marking]		
[Awailing]	MODIFIED END ASSEMBLY FOR HIGH	United States 110	2	TO THE CONTRACT OF THE PARTY OF			
•	PRESSURE HIGH TEMPERATIBE BEACTION	C31810 031110	3	[issued] 2010; 0/1000,332 P/N; 5,190,734 [Awaring]	[Awaxing]		
	VESSELS			:	•		
[Awailing]	HIGH STRENGTH COMPOSITE COMPONENT	I Implement Changes 1 C	٩				
	AND METHOD OF FABRICATION	חוווכה סופובט	3_	issuedj 5/N; U/185,/28 P/N; 5,032,147 [Awaring]	(Awaning)		
[Awaiting]	DIAMOND	United States US	sn	Dening S/N: 07/390 208 P/N: K 011 616 [Awailled]	Awailton	1	
	CT	,	}	010,110,0 02,000,000			
	RESISTANCE					٠.	
(Awathg)	COMPOSITE COMPACT WITH A MORE	United States US	S	Desired S/N: 07/390.204 P/N: 5.011.509 [Awathrd]	Awailing	T	
	THERMALLY STABLE CUTTING EDGE AND						
	METHOD OF MANUFACTURING THE SAME				*		
[Awaithg]	COMPOSITE ABRASIVE COMPACT HAVING	United States US		Resused S/N: 07/151,942 P/N: 4,871,377 [Awathig]	Awaithg	T	
	HIGH THERMAL STABILITY AND TRANSVERSE						
	RUPTURE STRENGTH						
[Awathq]	MATRIX CUTTER	United States US		[Filed] S/N: 10/183,098	[Awalting]		
(Awallbig)	D METHOD FOR MAKING CVD	United States US	Γ	[Fled] S/N: 10/161,266	[Awaiting]		
	DIAMOND						

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rung Date	23-May-03	9~Jan-03	14~Jun-02	10-Jul-02	11~Jun-03	10-Jul-02	5-Jun-03	10-Dec-02	9-Dec-03	21-May-02	8-Jul-03		31-Jul-02	26-Jun-02	14-May-03	1-Oct-02	17~Jul-03	7-Feb-03	7-Feb-03
Code	Provisional (Filed S/N: 60/473511	Provisional [Fited] S/N: 60/438957	S/N: 10/172,034	Provisional [Filed] S/N: 60/395,182	S/N: 10/458903 P/N: 6666753	Provisional [Filed] S/N: 60/395,181	S/N: 10/455008	Provisional [Filed] S/N: 60/432222		Provisional [Fled] S/N: 60/382209	S/N: 10/437469	125877 -7 Original [Filed]	Provisional [Filed] S/N: 60/399778	Provisional (Fled) S/N: 60/391707	S/N: 10/437516	Provisional [Fited] S/N: 60/414987		Provisional (Fled S/N: 60/445631	Provisional (Filed) S/N: 60/445615
Code	Sn	ns	Sn	US	NS	SN	Sn	SN	SO	S	ន	SN	SN	sn	Sn	sn	SN	Sn	sn
,	United States	United States	United States	United States	United States	United States	United States	Y OF United States	United States	United States	United States	United States	United States		United States	United States	United States	ENT United States	United States
	CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	JING			T-	7	3 8					POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	SCRATCH-PROOF COMPOSITE WATCH UGLASS	RED COMPACT FOR USE IN IING CHEMICALLY REACTIVE ALS		IGSTEN	TEN	EXTRUSION AND COMPOUNDING EQUIPMENT U COMPONENTS WITH IMPROVED WEAR RESISTANCE	EAR RESISTANT COMPONENTS DUCTION AND SIZE
9		Filed	Filed)	Filed]	[Filed]	(Filed)	Filedj	[Filed]	[Filed]	- Hed	[Filed]	Filed	[Filed]	(page	(Filed)	[Filed]	[Filed]	(Filed)	[Filed]
112200 151-0		123571 (Filed)	123989 (Filed)	124337 [Filed]	124337	125174	125174 (Filed)		125185 F	125877 (Filed)	125877 p	125877 p	126337 F	126360 Filed	126360 F	126855 F	126855 F	129177 FF	129178 F

Docket	Docket Number	Title	IIIIg Country	Country	Fifting Country Country Filling Ne JType/SAIPH	Filing Date Agent Comments	gent C	omments	
129182 [Filted]	[Filed]		United States		Provisional (Filed) S/N: 60/445614	7-Feb-03			
129184 [Filed]	[Filed]			Sn	Provisional [Filed S/N: 60/445659	7-Feb-03			
129892	[Filed]	RIFICE			Provisional (Fled) S/N: 60/445633	7-Feb-03			
130335 (Filed)	(Filed)	_	United States	Sn	Provisional (Filed S/N: 60/440455	15-Jan-03			
130335 Filed)	(Fibed)		United States	S	Provisional irled S/N: 60/464517	22-Apr-03			
131068 (Filed)	(Filed)				Provisional Fled S/N; 60/445609	7-Feb-03			
132255	(Filed)	AIRCRAFT ENGINE WEAR PARTS	United States	S	Provisional (Filed) S/N: 60/445632	7-Feb-03			
132270 (Fibed)	(Filed)			US	Provisional (Fled) S/N; 60/445610	7-Feb-03			-
132876	[bell4]	OR	3	S	Provisional (Fied)	8-Oct-03			
133139	Fied	IMPROVED WEAR PEROFRMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	sn	Provisional Fried S/N: 60/447808	14-Feb-03			
133140	[Filed]	BLANKS WITH			Provisional দাহুব্য S/N: 60/445613	7-Feb-03			
133141	(Filed)	TORTUOUS FOR IVE PARTICLES USED YMER MATRIX	United States	s n	Provisional irled S/N: 60/469285	8-May-U3			
133615	[Filed]		United States	Sn	Provisional [Filed]	11-Mar-03			
133794 [Fled]	[Fled]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOTBRAZING IN TOOL FABRICATION	United States	Sn	Provisional (Filed) S/N: 60/4/0306	14-May-03			
133794	[Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States		TOWNSTAND THE				
133920	[Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	sn	Provisional (Fied) S/N; bu/40926/	CO-(PRAISE			
133975	[Filed]	METHOD TO IMPROVE TOOL INTEGRITY	United States	SN_	Provisional [Fled]	14-Aug-03		·	
135143	[Filed]	WHEN COTHING SERVINE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	Sn	Provisional (Filed) S/N: 60/467311	2-May-03			
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EGIIION SANCE		Filling Country	Country	Filling Country Country Filling No /Type/SNIPN	Filing Oate	Agent (c	Agent Comments	
136255 [Fite-d]	SINTERED COMPACT FOR USE IN MACHINING United States	United States	S CO	Provisional (Filed)	3-Dec-03			
	VARIOUS CASI IRON MATERIALS							
145361 (Filed)	COMPRESSION CONTAINER FOR	United States	Sn	Provisional (Filed)	10-Dec-03	1		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS	United States	SI	S/N: 219289 DAI: 4314400				
	USING SIZE SELECTIVE ABRASIVE PA RTICLE LAYERS		0	714. £ 19209 7114. 451 1490	7-Sep-88	<u>-</u>	• .	
10000 A (Filed)	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE	United States	sn	S/N: 823893 P/N: 4673414	29-Jan-86			
60SD184 [Filted]	GANG SAW FOR CUTTING BI OCKS OF STONE ILLEGAL SECTION							_
6050240				S/N; 515448 P/N; 4498450	20-Jul-83			
final of the control	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	s sn	S/N: 542081 P/N: 4525179	14-Oct-83	Ť		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US S	S/N: 488003 P/N: 4536442	2-May-83	+		
60SD245 [Filed]					30	1		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	1 -	Sn	S/N: 818850 P/N: 4797326	14-Jan-86			
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE United States		S) S)	S/N: 515448 P/N: 4498450	20-Jul-83			
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	SU	S/N: 536221 P/N: 4518659	23-Sep-83			
60SD251 [Filed]	NG DIAMOND MPACTS	United States	SU S	S/N: 552081 P/N: 4525179	14-Oct-83		,	
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	SO	S/N: 06/920041 P/N: 4738689	16-Oct-86			
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS United States AND METHOD FOR MAKING SAME		SU	S/N: 07/277875 P/N: 5009673	30-Nov-88			
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND		S)	S/N: 697668 P/N: 4810447	4-Feb-85			
60SD257 [Fled]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		SU	S.N.: 8491 P.N.: 4832708	27~Jan-87	-		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	s sn	S/N: 7/366943 P/N: 5043120	16-Jun-89			
60SD262 (Fled)	BRAZED COMPOSITE COMPACT IMPLEMENTS United States		Sn	S/N; 624064 P/N; 4527998	25-Jun-84			
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	SU	S/N: 07/358728 P/N: 4951427	30-May-89			
60SD305 [Filed]	TED POLYCRYSTALLINE AMOND CUTTING BLANKS	United States	SU		11-May-88			
60SD308 [Filed]	F÷	United States	US S	S/N: 7/365268 P/N: 4931363	12-Jun-89			

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		COMPACT	United States	S S	S/N: 158575 P/N: 4899922	22-Feb-88	
60SD317 [Filed]	iled]	જ	United States	SO	S/N: 920041 P/N: 47386689	16-Oct-86	
	[Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	SN	S/N: 07/158336 P/N: 4850523	22-Feb-88	
I_ }	[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	Jnited States	SO	S/N; 008491 P/N; 4832708	29-Jan-87	
60SD33 Filed	ब्री	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83	
60SD332 F	(Filed)	TOOL	United States		S/N: 713966 P/N: 4661180	25 Mar 05	
60SD333 [Filed]	lled		1	Sn	S/N: 153466 P/N: 4828582	3-Feh-RR	
60SD333V [Filed]	Filed				SIN: 793462 PIN: 4828582	1-Sep-88	
oustussa [Filed]	'lled]	MAKING	United States	S	S/N: 07/669259 P/N: 5211726	14-Mar-91	
60SD364 F	[Filed]	┪	United States	Γ	S/N: 07/669124 P/N: 5106392	14-Mar-91	
	(Filed)	TALLINE CBN		sn	S/N: 7/429661 P/N: 5026960	31-Oct-89	
60SD368 PF	(Filed)	ITRIDE	United States	S	S/N: 156272 P/N: 4807402	12-Feb-88	
60SD389 (Filed)	Tedj				S/N: 328347 P/N: D330206	24-Mar-89	
60SD390 IF	Filed	RECIPROCATING POINT ROTARY DIAMOND		US	S/N: 07/635082 P/N: 5172681	28-Dec-90	
60SD401 [Filed]	lled)	ASIVE	United States		S/N; 332814 P/N; D325226	3-Apr-89	-
60SD412 FF	[Filed]	SEGMENTS UTILIZING	United States	Sn	S/N; 262405 P/N; 4883500	25-Oct-88	
60CD440	,	Cial	Inited States	2	0503869 -N/G 67276057	15-Am-89	
60SD419 F	<u> </u>				5/N. 7/584648 F/N. 4865650	So-flows:	
60SD428 [Filed]	199	ROCK DRILLING			S/N: 7/420191 P/N: 5022894	12-Oct-89	
60SD437 F	Fled	NE COMPACT TOOL BLANKS SIDE SUPPORT/DIAMOND OR	United States	Sn	S/N: 331928 P/N: 4954139	31-Mar-89	*
60SD439 F	Filed		United States	·	S/N; 328348 P/N; D324527	Z4-Mar-89	
60SD439 [Filed]	[pag]		United States		S/N: 7/328348 P/N: 324527	24-Mar-89	
60SD440 F	[Fled]	ABRASIVE	United States	Sn	S/N: 332828 P/N: D324056	3-Apr-89	
60SD455 F	[Filed]	OMPOSITE MASSES AND THEIR	United States	Sn	S/N; 7/630916 P/N; 5106792	20-Dec-90	
60SD458 [Filed]	lled)	METAL COATED DIAMOND R SINTERED METAL BONDED	United States	Sn	S/N: 07/857132 P/N: 5250086	25-Mar-92	
		TOOLS					

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		,	Filling Country C	try Filling NoJType/SAIPN	Filing Clate Agent	nt Comments	
	5USD461 (Filed)	BRAZED THERMALLY-STABLE POLYCRSTALLINE DIAMOND COMPACT	United States U.	US S/N: 365268 P/N: 4931363	12-Jun-89		
. `	60SD469 [Filed]	WORKPIECES AND THEIR FABRICATION POI YCRYSTAI INF CAD CIAMOND					
		SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
	60SD493 [Filed]		United States	CAI: 09/197064 DB1: EF00034			
				5/14, US/12/1904 P/IN, 33USU/1	28-Sep-93		
	60SD498 [Filed]	FOR COATING TWIST DRILLS	7-	S/N: 07/563367 D/N: 5006736			
	60SD498 [Filed]	1 1		S/N: 07/929239 P/N: 5256206	14-Aug-90		
	60SD504 Filted	- 1	United States US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
				S/N: 07/577379 P/N: 5273557	4-Sep-90		
,	60SD506 [Filed]		United States US	S/N: 07/547651 P/N: 5360479	2-/ul-90		
	60SD518 [Filted]	T .	United States US	S/N: 07/773461 P/N: 5266236	9-Oct-91		·
	60SD528 [Filed]	1	7-	S.M. 08/400555 P/N: 5491002	8 Mar.05		
	60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING IN	United States US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
	60SD576 [Filed]		United Stafes US	S/N: 07/967461 P/N: 5439492	28-Oci-92		
	60SD576 Filled]	SMOOTH SURFACE CVD DIAMOND FILMS AND IN	United States US	S/N; 08/220946 P/N; 5523121	31-Mar-94		
	60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
	60SD578 (Filed)			S/N: 07/815478 P/N: 5176803	4-Mar-92		
÷	60SD581 [Filed]		United States US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
	60SD582 Filted	PROCESS FOR MAKING COATED ABRASIVES IN	United States US	S/N; 08/032750 P/N; 5306318	17-Mar-93		
٠.	60SD583 Filed	 	United States US	S/N; 08/005951 P/N; 5300129	19-Jan-93		
٠.	60SD584 Filed	DUAL-COATED DIAMOND PELLETS AND SAW IN BIADE SEGMENTS MADE THEREWITH	United States US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
	60SD615 [Filed]	11	United States US	S/N: 07/895229 P/N: 5985228	22-Dec-92		
	60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE	United States US	S/N: 07/857192 P/N: 5405573	4-May-92		
	60SD633 [Filed]	DIAMOND	United States US	S/N: 07/857139 P/N: 5232469	25-Mar-92		
-		DEPOSITED METAL LATER					
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	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	3		SN: 08/322841 P/N: 5510193	13-Oct-94		
60SD643 (Filed)	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	United States	S)	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD647 FEB.	PREPARATION OF THIN FREE-STANDING FILMS FILMS FILMS	United States		S/N: 08/369047 P/N: 5490963	5-Jan-95		
1	ABRASIVE TOO! INSENT SEE ON SACRASES	United States		S/N: 07/967461 P/N; 5439492	28-Oct-92	-	
1 1	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	SUS	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE	United States		S/N: 08/489877 P/N: 5560754	6-Jul-94	<u> </u>	
	POLYCRYSTALLINE ABRASIVE LAYER OF A C OMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT						
60SD658 Filted	ECIP	United States	Sn	S/N: 08/105523 P/N: 5494477	11-Aug-93	-	
60SD660 Filed	IIC MASSES	United States	SN	S/N: 07/985500 P/N; 5320988	1-Dec-92		
60SD662 [Filled]	METHOD OF SEPARATION OF PIECES FROM	United States	S	S/N: 08/060459 P/N: 5387776	11-Mav-93		
	SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE						
60SD664 (Filed)	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	s SN	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 (Fled)	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	s S	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Fled]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS		s sn	S/N; 08/032750 P/N; 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States		S/N; 08/143802 P/N; 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE			S/N: 08/148803 P/N: 5465603	5-Nov-93		
	ABRASIVE COMPACT WITH IMPROVED PROPERTIES			S/N: 08/571312 P/N; 5855996	12-Dec-95		
60SD693 (Filed)	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States		S/N; 09/087776 P/N; 6132675	29-May-98	-	
60SD694 [Filed]	DIAMOND WIRE DIE	United States		S/N: 08/121014 P/N: 5363687	14-Sep-93	-	
60SD696 (Filed)		United States	20	S/N: 08/2/130/ P/N: 346613/	28-Sep-93		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States		in, 001121304 Fix. 550601			
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States		S/N; 08/144168 P/N; 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND United States ARTICLE	United States	s sn	S/N; 08/310449 P/N: 5529805	22-Sep-94		
60SD709 [Fled]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States	s Sn	S/N; 08/286076 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED	United States	s Sn	S/N: 08/583360 P/N: 5647878	5-Jan-96		
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Filing Date Agent K	5-May-94	29-May-96	23.San.04	6-May-94	14-Mar-96	28-Mar-95	1-Nov-95	5-Jan-95	8-Mar-95	8-Mar-95	13-Nov-95	20-Nov-97	26-Jan-96	20-Nov-97	10-Aug-98	27-Dec-96	6-Mar-96	27-Dec-96	7-Jan-97	8-Apr-03	4-May-98	13-Jun-97
S COUNTY COUNTY FIIING NO JT YPE SUIPN	S/N: 08/238543 P/N: 5451430	S/N: 08/654815 P/N: 5672395	S/N: 08/311658 P/N: 5551277	S/N: 08/239156 P/N; 5512235	S/N: 08/616997 P/N: 5773140	S/N: 08/412050 P/N: 5660075	S/N: 08/551593 P/N: 5660936	S/N: 08/369047 P/N: 5490963	S/N: 08/400556 P/N: 5544254	S/N: 08/400555 P/N: 5491002	S/N: 08/555672 P/N: 5669944	S/N: 08/975028 P/N: 6042463	S/N: 08/591879 P/N: 5662720	S/N: 08/975429 P/N: 6045440	S/N: 09/131460 P/N: 6196910	S/N; 08/777213 P/N; 5848657	S/N; 08/611896 P/N; 5743346	S/N; 08/777222 P/N; 5829541	S/N: 08/779417	S/N: 10/411471	S/N: 09/072144 P/N: 5869015	SN: 08/874769 PM: 5856525
FIFING Country Courtery	United States US	United States US	United States US		United States US	Sn	SD	United States US	United States US	United States US	United States US	Sn .	United States US	United States US	United States US	United States US	United States US	United States US				
0000000	3	METHOD FOR ENHANCING THE TOUGHNESS IN			ACTS TIES		8	1		ER CVD DIAMOND FILMS	₩ ₩		COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97	ING	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP		ÆNT	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN				z
Docket Number	60SD712 (Fled)		60SD715 (FIled)		GUSUS (Filed)	60SD721 [Filed]	60SD726 [Filed]	(Filed)	[Filed]	[Filled]	[Filed]	[Filted]	[Filed]	Filed	60SD753 [Filted]	8	60SD768 [Filed]	60SD769 [Filed]	60SD772 [Filed]		60SD774 [Filed]	60SD784 (Fled)

Ale Control	28-Apr-00 14-Jan-97	14-Oct-97 21-Jul-99	27~Jan-00 4-May-98	15-Мау-00	8-Jan-03	19-Dec-00	2-Nov-01 16-Nov-01 17-Jun-99	14-Dec-01 25-Aug-00	9-Jul-01 30-Apr-01	11-Feb-03	2-Feb-01 15-Dec-00 5-Mar-01	23-Aug-01
Country (Country) Filling No.77 (per SAP)	S/N: 09/561128 P/N: 6322891 S/N: 06/783171 P/N: 6009963	S/N: 08/95004 P/N: 5957005 S/N: 09/358271 P/N: 6314836	S/N: 09/492095 P/N: 6260640 S/N: 09/072471 P/N: 6102143	S/N: 09/570957 P/N: 6319608	S/N: 10/338136	S/N: 09/740777 P/N: 6375446	S/N: 10/001573 S/N: 09/988244 S/N: 60/139654	S/N: 10/014547 S/N: 10/069362	S/N: 09/901159 S/N: 09/845540 P/N: 6315652	S/N: 60/224485 S/N: 10/344249	SN: 09/7/6141 PIN: 6666753 SN: 09/737667 SN: 09/799192	S/N: 09/935957
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Title	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CUTTING EFFICIENCY	DRICAL DUCING DRICAL DUCING		TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR PRODUCTIO N	INCY	AT	GEN CUBIC BORON NITRIDE MIXING FOR LOW POWER MATHOR FOR LOW POWER MATHOR FOR CUTTING	စ	Z	ATURE	ý	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION
Docket Number		60SD788 Filed]			60SD802 [Filed]	60SD805 (Filed)	60SD806 (Filed) 60SD811 (Filed) 60SD812 (Filed)	60SD812 [Fled] 60SD817 [Fled]	60SD820 Filed)	60SD831 Filed 60SD831 Filed	60SD838 [Fled] 60SD839 [Fled] 60SD839 [Fled]	

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					rung Dare Agent	Comments
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States		S/N: 10/262784	2-Oct-02	
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR	United States	S S	S/N: 09/987863 P/N: 6475254	18-Nov-01	
	ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES					
60SD851 [Filed]	ARBASINE BABTICLES AND LICE THEREO	United States	sn	S/N: 10/174914 P/N: 6596040	19-Jun-02	
	VITREOUS MATRIX COMPOSITES					
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	Sn	S/N: 09/931312	16-Aug-01	
RD14877 (Filed)	SINTERED POLYCRYSTALLINF DIAMOND	Inthos Chates			•	,
	COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	Officed octations	3	S/N: 652242 P/N: 4605343	20-Sep-84	
RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN	United States	Sn	S/N: 830414 P/N: 4690691	13-Feb-86	
RD17340 (Fland	DIAMOND COVETAL CECUATE PROCESS	- }				
	DIAMOND CRYSTAL GROWTH BROCESS	United States		S/N: 07/332914 P/N: 5261959	4-Apr-89	
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN	1	3 5		10-Nov-93	
- 1	CUTTING TOOLS		_		1 1-40By-01	
KD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN	United States	SN SN	S/N: 07/048176 P/N: 4797138	11-May-87	
RD18116 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH	United States	Si	S/N: 07/744815 P/N: 5310447	12.4.10.01	
	THERMAL CONDUCTIVITY				16-fin-71	
RD18402 [Filted]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	Sn	S/N: 224416 P/N: 4842677	26-Jul-88	
RD18693 [Filled]	METHOD FOR IMPROVING ADHESION OF	United States	Sn	S/N: 07/653556 P/N: 5190823	11-Feb-91	
	SYNTHETIC DIAMOND COATINGS TO SUB					
RD19369 IEEE	TRANSPARENT DIAMOND FILMS AND METHOD Luited States	Т	Si	S/N: 07/407179 P/N: 5110579	14-Sep-89	
Town I const						
RD19369 [Fled]	TRANSPARENT DIAMOND FILMS AND METHOD United States		s Sn	S.N.: 07/859753 P.N.: 5273731	30-Mar-92	
RD19567 FEbru	FREE STANDING DIAMOND SHEET AND	United States	SU	S/N: 07/537963 P/N: 5464071	13-Jun-90	
	METHOD AND APPARATUS FOR MAKING SA					
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	sn Sn	S/N; 08/163608 P/N; 5419278	6-Dec-93	
RD20142 [Fled]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH	United States	SN	S/N: 08/368732 P/N: 5540904	4-Jan-95	
		Т	9	641. 678548677 BAI: 6204445	21.Can.02	
RD20790 [Filed]	APPARATUS FOR PRODUCING DIAMONUS BY - United States			51K; 01/948017 File: 5204145	75-165-17	
	CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM					
RD20983 [hactivated]	ARTIFICIAL POLYMER LATICES	United States	SN	S/N: 07/980,444 P/N: 5356955	23-Nov-93	
•						
RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF	United States	SU	S/N: 07/653556 P/N: 5190823	11-Feb-91	
	SYNTHETIC DIAMOND COATINGS TO SUBSTRATES					
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL	United States	sn	S/N: 07/722575 P/N: 5190796	27-Jun-91	
	THEREFROM					

Agent Gomments																								
Filing Date Agent	9-Sep-93	4-Mar-92	1-Aug-91	14-Son-04	25-May-94	30-Mar-92	16-Dec-92	31~Jan-94	21-Sep-92	26-Jul-93	27-Dec-93	7-Dec-98	2-Aug-93	3-Oct-94	13-Jun-94	27-Dec-94	9-Sep-93	23-Jun-94	31-Jan-94	3-Oct-95	\$5-LD7-61	13-Jun-94	20-Jun-94	25-May-94
Country Country Filling No.77 pelsnipn	S/N: 08/119448 P/N: 5869133	S/N: 07/845992 P/N: 5175929	S/N: 07/738758 P/N: 5188643	JN: 08/306077 P/N: 5479874	S/N: 08/248896 P/N: 5419798	S/N: 07/859753 P/N: 5273731	S/N; 07/991798 P/N; 5300313	S/N; 08/188877 P/N; 5382758	S/N: 07/948077 P/N: 5204145	S/N: 08/096392 P/N: 5391229	SN: 08/172797 PN: 5397396			S/N; 08/316995 P/N; 5445106	S/N: 08/26/358 P/N: 5424096	S/N; 08/364568 P/N; 5437728	S/N: 08/119448 P/N: 5869133	S/N: 08/264268 P/N: 5437891	S/N: 08/188877 P/N: 5382758	S/N: 08/538656 P/N: 5706135	S.N.: 08/267181 P.N.: 5468934	S/N; 08/261358 P/N; 5424096	S/N: 08/262798 P/N: 5494753	S/N: 08/248896 P/N: 5419798
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	[inactivated]	(Filed)	Filed)	П	(Filed)	Filed	Filed	RD22294 Filed PR(RD22486 Filed APP	RD22514 Filed] APP	RD22530 [Fled] APP	RD22721 Filed PO	Fled	Fled	RD22980 [Filed] APP	RD22980 [Filed] APP	RD23162 Filed ME	RD23356 Filed CH	RD23427 [Filed] PR	RD23481 IFINAL DIA	RD23502 [Filed]	RD23503 [Filed] AP	RD23511 [Fled] AR	RD23716 (Fled) SU

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RD23717 [Fled]	П	United States	US	S/N· OR/FOS417 D/N· SES0415	22 5-1 00		
23819 [Filed]		Т	31	C/N: 08/35/577 DM: 60/300	96-de J-77		
	INSERTS AND INSERTS FABRICATED THEREBY	- 1	}	5050505 LIN 3050305	4		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N. 08/499238 P/N. 5634369	7 144 06		
RD23948 [Filed]	DIAMOND FILM STRUCTURE WITH HIGH		ns	S/N: 08/316998 P/N: 5525815	3-Oct-94		
24002 [Filed]	SYNTHETIC DIAMOND PROPILICE	1 10					
RD24111 (Filed)	APPARATUS AND METHOD FOR CHEMICAL	United States	3	S/N: 08/411181 P/N: 5503104	27-Mar-95		
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RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	 -	S.N. 08/400727 DAN GESCHE			
RD24447 [Fled]	COMPOSITE DIAMOND WIRE DIE	United States	SI	S/N: 08/499507 D/N: 563/1270	7 1.4 05		
KD24450 (Filed)	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	Sn	S/N: 08/457551 P/N: 5567985	1-Jun-95		
KU25160 (Filed)	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	SN	S/N: 09/201384 P/N: 6152977	30-Nov-98	,	
RD25160 (Filed)	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	SN	S/N: 09/484389 P/N: 6350191	14~Jan-00		
RD25160 Filed	SURFACE-FUNCTIONALIZED DIAMOND	1 Inited States	2	S/N: 00/484302 D/N: 6406776	44 100 00		
	CRYSTALS AND METHOD FOR PRODUCING S AME		3				
RD25308 [Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	SO	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	SN	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI	United States	SN	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED A T HIGH PRESSURE AND HIGH TEMPERATURES	United States	sn	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING	United States	sn	S.N.: 09/576794 P.N.: 6372002	23-May-00		
RD28183 [Fled]	FUNCTIONALIZED DIAMONDS METAL-INFILTRATED POLYCRYSTALLINE	United States	Sn	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Flied]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES	United States	SN	S/N: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	s)	S/N; 09/729525	4-Dec-00		
434047 252-0	STATES TO STABILITE EDAME CAMPINE ANCE	The Manager	91	424047 4 Drovielonal read	14-Aug-03		

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	***		Code				
[Summann]		United States US	Т	Result S/N: 09/167,196 P/N: 6,187,068 [Awatthq]	[Awatting]		
	COMPACT WITH DISCRETE PARTICLE SIZE				1.1.00		
	AREAS				10/2(100		
[Awatting]	ISITE POLYCRYSTALLINE DIAMOND	United States US		Drawd S/N: 08/523 868 P/N: 6 645 647 [Awaithd]	(Awaither)		
	COMPACT WITH IMPROVED IMPACT AND	×				٠	
	THERMAL STABILITY				26/2/8		
[Awailing]	COMPOSITE POLYCRYSTALLINE COMPACT United States US	United States	Γ	Tanner S/N: 08/415 693 P/N: R 564 514 [Awatim	[Awaiimm]		
	WITH IMPROVED FRACTURE AND						
	DELAMINATION RESISTANCE				2/12/95		
	HIGH PRESSURE/HIGH TEMPERATURE	United States US		Rena S/N: 07/792 746 D/N: E 244 969 (Awater)	Thursday.		
	PISTON-CYLINDER APPARATUS	,		מינים מינים	14×711		
[Awaning]	HIGH PRESSURE REACTION VESSEL	United States US		Respect S/N: 07/826.809 P/N: 6 236 674 [Awaling]	Awaling		
		,			1/20/97		
[Awaling]	MODIFIED END ASSEMBLY FOR HIGH	United States US		(2.02) (3.02) (3.02) (4.02) (4.02) (4.02)	(Avr#front		
-	PRESSURE, HIGH TEMPERATURE REACTION			100'100'10'10'10'10'10'10'10'10'10'10'10	,		
	VESSELS				2/22/91		
[Awaling]	Γ	United States US		Result S/N: 07/163 725 P/N: 6 032 147	fAwalthof		
				2/8/88	2/8/88		
[Awailing]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		Resuedt S/N: 07/390.208 P/N: 5.011,615 (Awathrd	[Awathrd]		
					00/2/0	٠.	~
	RESISTANCE				101/10		
(Awatting)	MORE	United States US	Γ	Psrued S/N: 07/390,204 P/N: 5,011,509 [Awathng]	[Awathing]		
	THERMALLY STABLE CUTTING EDGE AND				60/7/2		
	METHOD OF MANUFACTURING THE SAME				גנאו שי		
[Awaiting]		United States US		fissued S/N: 07/151,942 P/N: 4,871,377 (Awaithd)	[Awatting]		
	HIGH THERMAL STABILITY AND TRANSVERSE				2/2/00		
					20 101		
[Awaithg]	MATRIX CUTTER	United States US		[Filed] S/N: 10/183,098	[Awaling]		
[Awalthg]	ENHANCED METHOD FOR MAKING CVD	United States US	Γ	Fried S/N: 10/161,266	[Awathng]		
					6/3/02		

APPENDIX B

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 Filing Country Country Filling No./Type/SNIPN	Provisional return S/N: 60/473511	Too and the state of the state	Provisional (Fled S/N: 60/438957	S/N: 10/172,034	Provisional [Fied] S/N: 60/395,182	S/N: 10/458903 P/N: 6666763	Provisional [Filed] S/N: 60/395, 181	S/N: 10/455008	Provisional Fled S/N; 60/432222	290'1EL/01 N/S	Provisional (Filed) S/N: 60/382209	S/N: 10/437469	125877 -7 Original (Filed)	Provisional [Filed] S/N: 60/399778	Provisional (Fled S/N: 60/391707	S/N: 10/437516	Provisional (Filed) S/N: 60/414987	S/N 10/621,710	Provisional Fled S/N: 60/445631	Provisional (Red S/N: 60/45615
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Docket Number	200 (Filed)		571 (Filed)	989 (Filed)	124337 [Filed]	124337 (Flad)	125174 [Filed]		185 Filed)	185 [Filed]	125877 [Fited]	377 (Filed)	377 (Fled)	337 [Filed]	360 Filted)	360 [Filed]	355 [Filed]	126855 [Fled]	77 (Filted)	78 Filed
8	112200		123571	123989	124	1240	1251	1251	125185	125185	1258	125877	125877	126337	126360	126360	126855	1268	129177	129178

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WEAR CONTROL IN CONTINUOUS GLASS United States US	Docket Number		Š	Country FIII	N	192000	0.00000000	iments		
WERN RESISTANT DRILL BIT BODDES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING WERN AND CORROSION RESISTANT ORIFICE United States US FRIEND ATTICLES COMPRISING AN ARRASION- RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL FINAL RESINOUS CORE MATERIAL FINAL RESINOUS CORE MATERIAL FINAL RESINOUS CORE MATERIAL FINAL RESINOUS CORE MATERIAL FINAL GRADED WITH READED INTERFACE TO A RESINOUS CORE MATERIAL FINAL RESINOUS CORE MATERIAL RESINOUS STERE PORMING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING RESINOUS CORE MATERIAL COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING REMATING COMPOSITE FORMING COMPOSITE FORMING REMATING COMPOSITE FORMING COMPOSITE FORMING COMPOSITE FORMING REMATING COMPOSITE STATES FIT INTO CAMPOSITE CONCERPANCE MOUNTER MATER COMPOSITE STATES FIT INTO CAMPOSITE CONCERPANCE TOOLS PRESS-FIT INTO CAMPOSITE STATES FOR MACHINING FIBER COMPOSITE STATES FOR MACHINING FIBER FINAL BITS ACUTER BITS PROPILE FINAL FINAL BITS ACUTER BITS PROPILE COMPOSITE STATES FOR MACHINING FINAL BITS ACUTER BITS PROPILE FINAL BITS ACUTER BITS PROPILE FINAL BITS ACUTER BITS PROPILE FINAL BITS ACUTER BITS FROM BITS FORMING FINAL BITS ACUTER BITS FROM BITS FORMING FINAL BITS ACUTER BITS FORMING FINAL BITS ACUTER BITS ACUTER FINAL BITS ACUTER BITS A				SU F	50/445614	7-Feb-03				
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Piece RESISTANT RESINOLA SAND ABRASION- RESISTANT RESINOLS SKIN INTEGRALLY RONDED WITH GRADED INTERFACE TO A RESISTANT RESINOLS CORE MATERIAL United States US RESISTAND CORROSION PREVENTION IN United States US INPROVED WEAR RESISTANCE United States US INPROVED WEAR RESISTANCE United States US INPROVED WEAR PERCHANNOC TOOLS United States US INPROVED WEAR PERCHANNOC TOOLS United States US INPROVED WEAR PERCHANNOC TOOLS United States US INPROVED TOOLS FOR MACHINING FIBER United States US INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELMINATE HOT- INPERABRASIVE TOOLS PRESS-FIT INTO INPERABRAS	892 [Filed]		United States		rovisional [Filed] S/N: 60/445633	7-Feb-03	ļ.	-	·	
Piece ATTICLES COMPRISING AND ABRASION-	335 [Fled]	, ¥o	T		rovisional (Fited) S/N: 60/440455	15-Jan-03				
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Filed AIRCRAFT ENGINE WEAR PARTS			T-		rovisional pred S/N: 60/445609	7-Feb-03				٠.
CLIPPER BLADE SETS AND COMBS WITH United States US	132255 [Filed]	.				7-Feb-03			·	
SELECTION OF DIAMONDS GRIT United States US	270 [Filed]					7-Feb-03				
WINTOWED WARP PERCENAMICE TOOLS WINTOWED WARP PERCENAMICE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY COATINGS WITH HIGHLY TORTUOUS SURFEYEED BRAZE ALLOY COATINGS WITH HIGHLY TORTUOUS SURFACE TOOGRAPHY FOR ABRASIVE SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES IMPROVED TOOLS FOR MACHINING FIBER CARBIDE SUBSTRATES TO ELIMINATE HOT- BRAZING IN TOOL FABRICATION SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT- BRAZING IN TOOL FABRICATION DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE METHOD TO IMPROVE TOOL INTEGRITY WITH IMPROVED WEAR RESISTANCE WHEN CUTTING STONE AMETHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER UNITRIDE POWDER United States US WHEN CUTTING STONE AMETHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	132876 (Filed)	Ř	ates	S.	rovisional (Fad) 60/509, 625		:			
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COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METHOD OF MACHINING FIBER COMPOSITES IMPROVED TOOLS FOR MACHINING FIBER COMPOSITES IMPROVED TOOLS FOR MACHINING FIBER CARBIDE SUBSTRATES TO ELIMINATE HOT- BRAZING IN TOOL FABRICATION SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT- BRAZING IN TOOL FABRICATION SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT- BRAZING IN TOOL FABRICATION OF METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE A METHOD OF MAKING ABRASIVE TOOLS FROM BHMODAL DIAMOND OR CUBIC BORON NITRIDE POWDER INTRIDE POWDER United States US FROM BHMODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	133140 [Filed]					7-Feb-03				
Filed IMPROVED TOOLS FOR MACHINING FIBER United States US	133141 (Fled)	ES USED	United States		*	8-May-03	· .			
SUPERABRASIVE TOOLS PRESS-FIT INTO United States US	133615 [Filed]					11-Mar-03				
FRed Superabrasive Tools Press-Fit Into Carbide States US CARBIDE SUBSTRATES TO ELIMINATE HOTBRAZING IN TOOL FABRICATION Filed DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE METHOD TO IMPROVE TOOL INTEGRITY United States US WHEN CUTTING STONE WHEN CUTTING STONE FROM BI-MODAL DIAMOND OR CUBIC BORON INTRIDE POWDER	133794 [Filed]	ı <u>.</u>	ates	US	rovisional (Filed) S/N: 60/470306	14-May-03			· 	•
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METHOD TO IMPROVE TOOL INTEGRITY United States US WHEN CUTTING STONE A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	133920 [Fleed]		ates		rovisional (Fled) S/N: 60/469287	9-May-03				
FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	133975 [Fled]		1		rovisional (Fied) 4/4 66/495/4/8	14-Aug-03				
	135143 [Filed]	 			rovisional [Flæc] S/N: 60/467311	2-May-03		*	· ·	<i>:</i>
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(Filed)	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	SU	Provisional Filed s/ ムタスムスス 3-Dec-03	3-Dec-03			8	
(Filed)	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	S	Provisional (714 00/528 372 10-Dec-03	10-Dec-03			·	. ,
[Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PA RTICLE LAYERS	United States	sn	SN: 219289 P/N: 4311490	7-Sep-88				
(Fled)	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	gg .	SU		29-Jan-86	-			
[Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	8	Sn	S/N: 515448 P/N: 4498450	20-Jul-83	-		- T	
60SD240 Filed) P	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	Sn	S/N: 542081 P/N: 4525179	14-Oct-83				-
	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83	-			
60SD245 [Filed] N 60SD24559 [Filed] S	MERGED WITH 60-SD-259 FOR FILING SUPPORTED POLYCRYSTALLINE COMPACTS	United States United States	s s	S/N: 818850 P/N: 4797326 S/N: 818850 P/N: 4797326	14-Jan-86 14-Jan-86	-		· ·	
60SD246 [Filed] G	GANG SAW FOR CUTTING BLOCKS OF STONE United State	S.	Sn	S/N: 515448 P/N: 4498450	20~lul-83				
60SD249 [Filed] S	SWEEP THROUGH PROCESS FOR MAKING POI YCRYSTALLINE COMPACTS	United States	SU SU	S/N: 536221 P/N: 4518659	23-Sep-83	-			
60SD251 [Fled] IN	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	Sn	S/N: 552081 P/N: 4525179	14-Oct-83	-		1	
60SD254 Filed C	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAMF	United States	sn		16-Oct-86			· .	
60SD256 [Filed] P	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME		sn	573	30-Nov-88				
60SD257 [Filed] S	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND			47	4-Feb-85				
60SD257 [Filed] S	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	1			27~Jan-87			1	
60SD261 [Filed] P	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESII TING PRODUCT	United States	sn_	02	16-Jun-89	·			
60SD262 (FRed) B	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	Sn		25-Jun-84			- 1	
60SD303 Filed] A	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	8		30-May-89			· ·	
60SD305 (FRed) S	STUD-MOUNTED POLYCRYSTALLINE	United States	Sn		11-May-88				
60SD308 [Filed] B	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	SU SU	S/N: 7/365268 P/N: 4931363	12~Jun-89				ž
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60SD30811 [Filed]	BRAZED THERMALLY-STABLE	United States		S/N: 158575 P/N: 4899922	22-Fah AR			8
	MODIFICATION DIAMOND COMPACT							
ROSD317 IEILAN	9	Т						
Inem al conce		United States	<u>s</u>	S/N: 920041 P/N: 47386689	16-Oct-86			
60SD318 [Fled)	SLE ABRASIVE ORTS	United States	S	S/N; 07/158338 P/N; 4850523	22-Feb-88			T
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	Juited States	SU	S/N: 008491 P/N: 4832708	29-Jan-87			$\neg \neg$
60SD33 (Filed)	OPTICAL WINDOWS MADE OF	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83			\neg
	POLYCRYSTALLINE ADAMANTANE BORON INITRIDE OR DIAMOND							
60SD332 Fled	METHOD OF MAKING DIAMOND TOOL	United States	sn	S/N: 713966 P/N: 4661180	25-Mar-85			Т
60SD333 [Filed]	SRIT	П			3-Feb-88			Т
60SD333V [Filed]		\Box			1-Sep-88			1
60SD358 [Filed]	KING				14-Mar-91			
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States		S/N: 07/669124 P/N: 5106392	14-Mar-91			T
60SD367 [Filed]	E CBN	United States	s S	S/N: 7/429661 P/N: 5026960	31-Oct-89	,		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE			S/N: 156272 P/N: 4807402	12-Feb-88			1
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS		sn sn		24-Mar-89			
60SD390 IFIled	RECIPROCATING POINT ROTARY DIAMOND	United States		S/N: 07/635082 P/N: 5172681	28-Dec-90			1
60SD401 [Filed]	ASIVE		Sn		3-Apr-89			
GOEDA42 PT. A	CANADI ADE CECAMENTE LITHI IZINO	Inited Ctates	2	CAN: 252405 DAN: 4883500	25-Oct-88			Т
OUSD412 Fried)	POLYCRYSTALLINE DIAMOND GRIT			3111. 202403 FIR: 4003500	£0-001-00			1
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC	United States	S	S/N: 7/394349 P/N: 4985050	15-Aug-89		•	
	BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME							
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	รก	S/N: 7/420191 P/N: 5022894	12-Oct-89			
60SD437 [Filed]	METHOD FOR PRODUCING	United States	S	S/N; 331928 P/N; 4954139	31-Mar-89			
	POLYCRYSTALLINE COMPACT TOOL BLANKS							
								\neg
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE	United States	SN.	S/N: 328348 P/N: D324527	24-Mar-89			
3000	CITIES AND WITTED BOX YORKSTALLING	Inited Chalan	١	CAL: 77339349 DAI: 324527	24 Mar RO			Т
ous D439 [Fited]	DIAMOND CUTTING BLANK	Salate States		3/1V. 1/320340 F1/V. 32432.	CO- IBIAL T			Т
60SD440 [Filted]	INTERLOCKING MOUNTED ABRASIVE	United States	s Sn	S/N: 332828 P/N: D324056	3-Apr-89			
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR	United States	s S	S/N: 7/630916 P/N: 5106792	20-Dec-90			
	PREPARATION	Inited Cinton	2	SIN: 07/857132 DIN: 5250086	25-Mar-92			Т
60SD458 [Filed]	TAL BONDED			3/N; 0//63/ 134 7/N; 3430050	76-IBIALO7			
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nuntry Country Filling No /Type/SM/PN	SIN: 08/322841 PIN: 5510193	S/N: 08/595715 P/N: 5603070	S/N: 08/369047 P/N: 5490963	S/N: 07/967461 P/N: 5439492	S/N: 08/095631 P/N: 5484330	S/N: 08/489877 P/N: 5560754		S/N: 08/105523 P/N: 5494477	S/N: 07/985500 P/N: 5320988		S/N: 08/060459 P/N: 5387776	S/N: 08/400556 P/N: 5544254	S/N: 08/016638 P/N: 5392633	S/N: 08/032750 P/N: 5306318		S/N; 08/143802 P/N; 5361621	S/N: 08/148803 P/N: 5465603	S/N: 08/571312 P/N: 5855996	S/N; 09/087776 P/N; 6132675	S.N: 08/121014 P/N: 5363687	SAN: 08/271307 P/N: 5486137	S/N; 08/127964 P/N: 5508071	S/N: 08/144168 P/N: 5377522	508053 - MO 0000000000000000000000000000000000	S/N: 08/310449 F/N: 5525555	S/N; 08/2860/6 P/N; 5500246	S/N: 08/583360 P/N: 5647878
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Title	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	POYCRYSTALLINE DIAMOND VING A CUBIC BORON NITR IDE FOR IMPROVED PHYSICAL	V OF THIN FREE-STANDING		ı	REDUCTION OF STRESSES IN THE UNIVERSITY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A CONTRACT OF A	OMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT	GB	MASSES		F PIECES FROM PARTIAL LASER	STALLINE	MEASURING THE STRENGTH OF ABRASIVE U	GRAINS		Γ	DOTICALLY IMPROVED DIAMOND WIRE DIE	Π	ABRASIVE COMPACT WITH IMPROVED		DIAMOND WIRE DIE	ANNULUS HOD OF THEIR	FABRICATION DIAMOND WIRE DIE WITH POSITIONED	OPENING	Ž	TION OF AIR BRAZABLE DIAMOND SERTS AND INSERTS FABRI CATED	TON OF AIR BRAZABLE DIAMOND ERTS AND INSERTS FABRI CATED
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Filling Country Country Filling No. Trype/SMPN		S/N; 08/238543 P/N; 5451430	S/N: 08/654815 P/N: 5672395	S/N: 08/311658 P/N: 5551277		S/N; 08/616997 P/N; 5773140	S/N: 08/412050 P/N: 5660075	S/N: 08/551593 P/N: 5660936	S/N; 08/369047 P/N; 5490963	S/N; 08/400556 P/N; 5544254	S/N: 08/400555 P/N: 5491002	S/N: 08/555672 P/N: 5669944	S/N: 08/975028 P/N: 6042463		S/N: 08/591879 P/N: 5662720	S/N· 08/975429 P/N: 6045440		S/N: 09/131460 P/N: 6196910	S/N: 08/777213 P/N: 5848657	S/N; 08/611896 P/N: 5743346	S/N: 08/777222 P/N: 5829541	S/N: 08/779417	S/N: 10/411471	S/N: 09/072144 P/N: 5869015	S/N; 08/874769 P/N; 5858525	
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IIII Country	223	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States		United States	Inited States	Ollineo Otalos	United States	United States	United States	United States	United States	United States	United States	United States	
Title	988		ANCING THE TOUGHNESS		COMPACTS OPER TIES	SUPPORTED POLYCRYSTALLINE COMPACTS IN HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	0		CLASSIFYING AND SORTING CRYSTALLINE COBJECTS	1-	HOH HOH	POLYCRYSTALLINE DIAMOND COMPACT	ð	Ω	DOLYCOVETALLINE DIAMOND COMPACT	O	ALLINE DIAMOND COMPACT TH IMPROVED CUTTING BY G CHIP BUILD UP	CUTTING	AND DRILL BIT	LINE DIAMOND CUTTING		TALLINE		NITRIDE USING MELAMINE AS A CATALYST SYNTHETIC GASKET MATERIAL FOR USE IN IL	HIGH PRESSURE PRESSES TRANS FWMEGADIAMOND
Docket Number		60SD712 [Filed]	60SD713 [Filed]	60SD714 [Filed]	60SD715 Filed	60SD715 [Fled]	60SD721 [Filed]	60SD726 [Filted]	60SD728 [Filed]	60SD731 [Filed]	60SD732 (Filed)	60SD745 [Filed]	60SD749 (Fled)		60SD750 (Filed)		603.D/32 [Filed]	60SD753 [Filed]	60SD760A [Filed]	60SD768 [Filed]	60SD769 [Fled]	60SD772 [Filed]	60SD772 [Filed]	60SD774 [Fled]	60SD784 [Filed]	

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Docket Number	Title	F##ng Co	intry Courtry	Filing No /Type/SkiPN	Piling Date Ag	Agent Comments	9	
60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	ns	S/N: 09/561128 P/N: 6322891	28-Apr-00			
60SD787 Filed	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CUTTING FFFICIFNCY	United States	SN	S/N: 08/783171 P/N: 6009963	14-Jan-97			
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	S	S/N: 08/950004 P/N: 5957005	14-Oct-97			
60SD788 (Fled)	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	sn	S/N: 09/358271 P/N: 6314836	21-Jul-99	+		
60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	<u>y</u>	S/N: 00/402005 DM: 6260640	33			
60SD795 (Filed)	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	S	S/N: 09/072471 P/N: 6102143	27-Jan-00 4-May-98			
60SD796 Filed	TITANIUM CHROMIUM ALLOY COATED	United States	<u> </u>	S/N: 09/570957 B/N: 6310608	90			
	DIAMOND CRYSTALS FOR USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR PRODUCTIO N		3	GIA: GBIGT GBG TIN: B5 19606	15-May-00			•
	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	Sn	S/N: 10/338136	8-Jan-03			
60SD805 Filed	HIGH PRESSURE APPARATUS HAVING	United States	S	S/N: 09/740777 P/N: 6375446	19-Dec-00			
	MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	٠.						14
60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States		S/N: 10/001573	2-Nov-01			
60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	sn	S/N: 09/988244	16-Nov-01			
60SD812 [Fled]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	Sn	S/N: 60/139654	17-Jun-99	1		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	SN	S/N: 10/014547	14-Dec-01			
60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	S	S/N: 10/069362	25-Aug-00			
60SD820 Filed	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN	United States	sn	S/N; 09/901159	9-Jul-01			
60SD827 [Fled]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	Sn	S/N: 09/845540 P/N: 6315652	30-Apr-01			
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	Sn	S/N: 60/224485	11-Aug-00			
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	Sn	S/N: 10/344249	11-Feb-03			
60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	sn	S/N: 09/776141 P/N: 6666763	2-Feb-01			
60SD839 [Flled]	JADEITE AND ITS PRODUCTION	United States	NS		15-Dec-00			
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States		S/N: 09/799192	5-Mar-01			
6030643 [H#d]	PRODUCTION	Ornied States			- Andrew			

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Oocket Number	Thie	Filling Country	Country	Filling No.JType/SMIPN	Pilling Date Agent	Agent Comments	
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	CO	S/N: 10/262784	2-Oct-02		
60SD851 (Flied)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN	United States	Sn	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 (Filed)	VITREOUS MATRIX COMPOSITES FUNCTIONALLY GRADED COATINGS FOR					.*	
- 1	ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	S	S/N: 10/174914 P/N: 6596040	19-Jun-02		
	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	S	S/N: 09/931312	16-Aug-01		
RD14877 [Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	United States	Sn	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	S	S/N; 830414 P/N: 4690691	13-Feb-86		
RD17340 Filed			Ţ		4-Anr-89		
RD18037 [Filed]		United States United States	SD SD	S/N: 08/150633 P/N: 5516554 S/N: 48176 P/N: 4797138	10-Nov-93		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CEN	I The desired					
				S/N: 07/048176 P/N: 4797138	11-May-87	÷	
(Filed)		United States	SO	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 [Filed]		United States	S	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUB STRATES		Sn	S/N; 07/653556 P/N: 5190823	11-Feb-91		
RD19369 [Fled]	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING		Sn		14-Sep-89		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING		S	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 (Filed)	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SA ME	United States	sn		13~Jun-90		
RD20142 [Filted]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	ates			6-Dec-93		
RD20142 [Filed]					4-Jan-95		
RD20790 [Filed]	S BY	United States	sn	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 [methyated]	NOIT	United States	SN.		23-Nov-93		e e e e e e e e e e e e e e e e e e e
RD21018 [Fled]		United States	S)		11-Feb-91		
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States (S	SN: 07/722575 P/N: 5190796	27-Jun-91		
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Gocket Number	*******	Filing Country	Country	country Country Filling No / Type/SMPN Country Code	<u>a</u>	Agent Comments	ients		
RD21034 [Inschvated]		United States	SU .	S/N: 08/119448 P/N; 5869133	9-Sep-93				
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	S	S/N: 07/845992 P/N; 5175929	4-Mar-92				
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLE S MADE THEREFROM	United States	sn	S/N: 07/738758 P/N: 5188643	1-Aug-91				
RD21661 Filed	PREHEATER FOR CVD DIAMOND REACTOR	United States		S/N: 08/306077 P/N: 5479874	14-San-94	+			
NUC1/90 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	Sn	S/N: 08/248896 P/N: 5419798	25-May-94				
RD22021 (Filed)	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	S	S/N: 07/859753 P/N: 5273731	30-Mar-92				
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	sn	S/N: 07/991798 P/N: 5300313	16-Dec-92				
RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	Sn	S/N: 08/188877 P/N: 5382758	31-Jan-94				
RD22486 [Fled]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	Sn	S/N: 07/948077 P/N: 5204145	21-Sep-92				
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	Sn	S/N: 08/096392 P/N: 5391229	26-Jul-93				
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERM AL SPREADER	United States	Sn	S/N: 08/172797 P/N: 5397396	27-Dec-93				
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States		S/N: 09/206721 P/N: 6126741	7-Dec-98				
RD22800 (Filed)			SN	S/N: 08/100406 P/N: 5346719	2-Aug-93			-	
RD22976 [Filed]				S/N: 08/316995 P/N: 5445106	3-Oct-94				
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL	United States	S	S/N: 08/261358 P/N: 5424096	13-Jun-94				
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL	United States	Sn	S/N: 08/364568 P/N: 5437728	27-Dec-94				
RD23162 (Filed)	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUBDORT MANDRES SUSED THEREIN	United States	Sn	S/N: 08/119448 P/N: 5869133	9-Sep-93				
RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH OR	United States	sn	S/N: 08/264268 P/N: 5437891	23-Jun-94				
RD23427 [Fled]	PROCESS FOR MAKING METALLIZED VAS IN	United States	sn	S/N: 08/188877 P/N: 5382758	31-Jan-94				
RD23481 IFIE	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States		S/N; 08/538656 P/N; 5706135	3-Oct-95				
	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	States	Sn	S/N: 08/267181 P/N: 5468934	15-Jun-94				
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL	United States	Sn	S/N; 08/261358 P/N; 5424096	13-Jun-94		8-		
RD23511 [Fled]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	Sn	S/N; 08/262796 P/N; 5494753	20-Jun-94				
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	S)	S/N: 08/248896 P/N: 5419798	25-May-94				
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	2011	riing county		Filling Country Country Filling Ne31type/SM/PN	Filing Cate	Filing Date: Agent Comments	
RD23717 [Filled]	ULTRAFAST OPTICAL MODULATOR	United States		S/N: 08/605417 P/N: 5659415	22-Fah.06		
RD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL	•	Sn	S/N: 08/350572 P/N: 5626909	7-Dec-94		
	INSEKTS AND INSEKTS FABRICATED THEREBY	:-					•
RD23927 [Flted]	COMPOSITE DIAMOND WIRE DIE	United States	Sn	S/N: 08/499238 P/N: 5634369	7, 1,1,05		
RD23948 (Filed)		Γ	S	S/N: 08/316998 P/N: 5525815	3-Oct-94		T
RD24002 [Filed]	П	United States	2	C.M.: 081441404 D.M.: ECO2404			
RD24111 [Filted]			Sn	S/N: 08/384568 P/N: 5437728	27-Dec-94		
RD24416 (Filed)	COMPOSITE DIAMOND WIND FOR	Т					
RD24447 FB-01	COMPOSITE DIAMOND WINE DIE	П		S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24450 (File-d)	FI FOTBONIC APPARATIS WITH COMMITTEE	П	ရှ	S/N: 08/499502 P/N: 5634370	7-Jul-95		
	METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States		S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	Sn	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	Sn	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filted]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING S AME	United States	SO	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]		United States	Sn	S/N: 09/783441	14-Feb-01		
RD27003 [Filted]		United States	Sn.	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filted]	DIAMOND MICRO SLURRY FOR CHEMICAL- MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS		SU	S/N: 09/591189 P/N: 6242351	9-Jun-60	. *	
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED A T HIGH PRESSURE AND HIGH TEMPERATURES	United States	sn	SIN: 09/430477 PIN: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	Sn	SIN: 09/576794 PIN; 6372002	23-May-00		
RD28183 [Fled]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES	United States	sn	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Filted]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES			SAN: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF			S/N: 09/729525	4-Dec-00		
134047 (Filed)	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	Sn	134047 -1 Provisional (ദമഹ	14-Aug-03		

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(Awaiting)	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		Resued! S/N; 09/167,196 P/N; 6,187,068 (Awating)	(Aweiting)	300000000000000000000000000000000000000	
	COMPACT WITH DISCRETE PARTICLE SIZE						
	AREAS						
[Awaithg]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	ns	Pssuad S/N: 08/523,868 P/N: 5,645,617 [Awating]	[Awalthg]		
	COMPACT WITH IMPROVED IMPACT AND						
	THERMAL STABILITY						
[Awaiting]	E COMPACT	United States US	S	Desired S/N: 08/415.693 P/N: 5 564 511 [Awather]	[Awather]		
	0				1		
	DELAMINATION RESISTANCE						
[Awaling]	HIGH PRESSURE/HIGH TEMPERATURE	United States 115	81	neman S.N. 07/702 746 DM: E 244 900[14-14-2	P. Breezelle, etc.		
	PISTON-CYLINDER APPARATUS		3	100'44'0 cit's cit			
[Awaling]	HIGH PRESSURE REACTION VESSEL	United States US	Sn	Bassed S/N: 07/826 809 P/N: K 236 674 [Awathed	[Awattro]		
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[Awailing]	MODIFIED END ASSEMBLY FOR HIGH	United States US	Sn	Asses S/N: 07/660.332 P/N: 5 190 734 [Awaitho]	(Awaltho)		
	PRESSURE, HIGH TEMPERATURE REACTION						
	VESSELS						
[Awaithg]	ENGTH COMPOSITE COMPONENT	United States US	Si	Resident S/N: 07/153 725 D/N: 5 032 147 [Awathof	[Awalltre]		
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(Awating)	E DIAMOND	United States US	S	Darsed S/N: 07/390.208 P/N: 6.011 615 [Awathur]	[Awaithu]		
	RESISTANCE						
(Awaithg)	COMPOSITE COMPACT WITH A MORE	United States US	S	Braund S/N: 07/390,204 P/N: 5,011,509 [Awathug]	[Awalthq]		
	THERMALLY STABLE CUTTING EDGE AND						,
	METHOD OF MANUFACTURING THE SAME						÷
[Awatting]	COMPOSITE ABRASIVE COMPACT HAVING	United States US		Issued S/N: 07/151,942 P/N: 4,871,377 [Awathg]	[Awailing]		
	SE					-	
	RUPTURE STRENGTH	,					
[Awaling]	MATRIX CUTTER	United States	SN	Fbed] S/N: 10/183,098	[Awaiting]		
[Awathing]	ENHANCED METHOD FOR MAKING CVD	United States US		relact S/N: 10/161,266	[Awailing]		

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112200 (Filed)	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	S S	Provisional (Fled S/N: 60/473511	23-May-03				
123571 [Filed]	TING	United States	SO	Provisional [Fited] S/N: 60/438957	9-Jan-03	1		<u> </u>	
	LASER SUPPORT NICKEL-PLATING OF SUPERABRASNE TOOL			S/N: 10/172,034	14~Jun-02				
124337 [Filed]		ates		Provisional [Fled] S/N: 60/395,182	10-Jul-02			Ť	
				S/N: 10/458903 P/N: 6666753	11-Jun-03			· T	-
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	SU.	Provisional [Fled] S/N: 60/395,181	10-Jul-02				
125174 [Fled]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States		S/N: 10/455008	5-Jun-03			T	
125185 [Filed]			SU	Provisional [Fled S/N: 60/43222	10-Dec-02	,			-)(-
125185 (Filed)		United States	sn		9-Dec-03				,
125877 [Fibed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	1		Provisional [Fled] S/N: 60/382209	21-May-02				
125877 [Filed]				S/N: 10/437469	8-Jul-03			_	
125877 [Filed]	AND			125877 -7 Original (Filed)	·				
126337 Filed]	АТСН	ites		Provisional (Fled) S/N: 60/399778	31-Jul-02			· ·	
126360 (Fleat				Provisional [Fled] S/N: 60/391707	26-Jun-02		-		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States		S/N: 10/437516	14-May-03				
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES			Provisional Flact S/N: 60/414987	1-Oct-02			· - 1	
126855 [Filed]			Sn		17-Jul-03			-	
129177 (Fled)		ates		Provisional [Fled] S/N: 60/445631	7-Feb-03			-	
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	Sn	Provisional (Fisa) S/N: 60/445615	7-Feb-03				
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Filting Country Country Filling No.Type/SNIPN Code Code	Provisional [Fled] S/N: 60/445614	Provisional (Filed) S/N: 60/445659	Provisional [Fled] S/N: 60/445633	Provisional (Fled; S/N: 60/440455		Provisional (Filed) S/N: 60/464517		Provisional Filad S/N: 60/445609	Provisional [Fled] S/N: 60/445632	Provisional Fried S/N: 60/445610	Provisional (Fleed)		Provisional [Filed] S/N: 60/447808		Provisional (Filed) S/N: 60/445613	Provisional (Filed) S/N: 60/469285				Provisional [red]	Provisional [Fled] S/N: 60/470306		. •		Provisional [Fled] S/N: 60/469287		Provisional (Fled	Provisional [Fled] S/N: 60/467311	
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		DIES AND AND GAS	RICE	ARTICLES COMPRISING AN ABRASION- RESISTANT RESINOUS SKIN INTEGRALLY	BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL		BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	NI NOITN		IBS WITH		MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	CE TOOLS	FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	BLANKS WITH	TOPTIONS		ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX	\Box		SUPERABRASIVE TOOLS PRESS-FIT INTO	CARBIDE SUBSTRATES TO ELIMINATE HOTE BRAZING IN TOOL FABRICATION	SUPERABRASIVE TOOLS PRESS-FIT INTO	CARBIDE SUBSTRATES TO ELIMINATE HOT-	DRILL BITS, ROUTER BITS, PROFILE	CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	METHOD TO IMPROVE TOOL INTEGRITY	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON	NITRIDE POWDER
Clocket Number	129182 [Filed]	129184 [Filted]	129892 [Flled]	130335 Fited		130335 [Filed]		131068 [Filed]	132255 [Filed]	132270 [Filted]	132875 [Filed]		133139 [Fled]		133140 [Fited]	122141 000-0	[Date 1 1 1 1 1 1 1 1 1			133615 [Filed]	133794 [Filed]		133794 [Filed]		133920 [Filed]		133975 [Filed]	135143 [Filed]	

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		Animos films	(9	commy country riming No.1 ypestern	Fuing Date Agent Comments	Comments	
136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING United States US	United States		Provisional (FB+d)	3-Dec-03		
	VARIOUS CAST IRON MATERIALS				}		
145361 [Filed]	COMPRESSION CONTAINER FOR	United States	Sn	Provisional (मध्य)	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PA RTICLE	United States	S S	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME		Sn	SN: 823893 P.N: 4673414	29-Jan-86		
60SD184 (Filted)	GANG SAW FOR CUTTING BLOCKS OF STONE United States		S	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filted]	PROCESS FOR MAKING DIAMOND AND CUBIC United States BORON NITRIDE COMPACTS	\top	Sn	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC United States BORON NITRIDE COMPACTS		Sn	S/N: 488003 P/N: 4536442	2-May-83		٠.
60SD245 Filed	MERGED WITH 60-SD-259 FOR FILING	United States	S	S/N: 818850 P/N: 4797326	14~lan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS			S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 (Filted)	GANG SAW FOR CUTTING BLOCKS OF STONE United States	-	Sn	SN: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	Γ		S/N: 536221 P/N: 4518659	23-Sap-83		0
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	SU	S/N: 552081 P/N: 4525179	14-Oct-83		·
60SD254 [Fled]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME			S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME		s Sn	S/N: 07/277875 P/N: 5009673	30-Nov-88		
60SD257 (Filed)	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		s sn	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Flled]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		S S	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESUL TING PRODUCT	United States	sn ·	SN: 7/366943 P/N: 5043120	16-Jun-89		
60SD262 [Fited]	BRAZED COMPOSITE COMPACT IMPLEMENTS United States		sn	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303 [Fled]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM		sn	SN: 07/358728 PIN: 4951427	30-May-89		·
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States		S/N: 7/192872 P/N: D317010	11-May-88		
60SD308 [Fled]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	s sn	SN: 7/365268 PN: 4931363	12-Jun-89		

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	Docket Number		Filling Country C	2	HIIING No.TType/SMPN	Filling Clate Agent	t Comments	
	60SD30811 [Filed]		United States	sn sn	S/N: 158575 P/N: 4899922	22-Feb-88		٠
	60SD317 [Filed]	·	United States	SO.	S/N: 920041 P/N: 47386689	16-Oct-86		
	60SD318 [Filed]	HERMALLY STABLE ABRASIVE CARBIDE SUPPORTS	United States	SU SU	S/N: 07/158336 P/N: 4850523	22-Feb-88		
	60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		NS S/	S/N: 008491 P/N: 4832708	29-Jan-87		
·	60SD33 (Filed)	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITPIDE OB DIAMAND	United States	Sn Sn	S/N: 488003 P/N: 4536442	2-May-83		
	60SD332 [Fled]			1		25-Mar-85		
	60SD333 [Filed]		•			3-Feb-88		
*	60SD358 [Filed]	KING	United States United States (US US S/I	S/N: 793462 P/N: 4828582 S/N: 07/669259 P/N: 5211726	1-Sep-88 14-Mar-91		
	60SD364 [Fled]	MULTIGRAIN ABRASIVE COMPACTS MULTIGRAIN ABRASIVE PARTICLES			N: 07/669124 P/N: 5106392	14-Mar-91		*
	60SD367 [Filed]		United States	US S/I	S/N: 7/429661 P/N: 5026960	31-Oct-89		
	60SD368 (Filed)	DIAMOND AND CUBIC BORON NITRIDE	United States	US S/I	S/N: 156272 P/N: 4807402	12-Feb-88		
	60SD389 (Filed)					24-Mar-89		
	60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	_	US S/I	S/N: 07/635082 P/N: 5172681	28-Dec-90		
	60SD401 (Filed)	1	United States			3-Apr-89		
	60SD412 [Filed]	SEGMENTS UTILIZING	United States	US S/I	S/N: 262405 P/N: 4883500	25-Oct-88		
	60SD419 [Filed]		United States L	Sn Sn	SN: 7/394349 P/N: 4985050	15-Aug-89		
•.	60SD428 [Filted]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States L	SO SI	S/N; 7/420191 P/N; 5022894	12-Oct-89		
	60SD437 Filted	RODUCING NE COMPACT TOOL BLANKS BIDE SUPPORT/DIAMOND OR	United States	SO.	SN: 331928 PN: 4954139	31-Mar-89		
· · · · ·	60SD439 [Fled]	CBN INTERFACES STUD-MOUNTED POLYCRYSTALLINE DIAMOND CLITTING BLANK	United States	SU SI	S/N; 328348 P/N; D324527	24-Mar-89		
	60SD439 [Filed]	STUDIO OF THE POLYCRYSTALLINE DIAMOND CITTING RIANK	United States	NS S/	S/N: 7/328348 P/N: 324527	24-Mar-89		
	60SD440 [Fled]	INTEGRAL COLLING BOTH IN THE STATE OF THE ST	United States	US S/I	S/N: 332828 P/N: D324056	3-Apr-89		
	60SD455 [Filed]	Œ	United States 1	/s	S/N: 7/630916 P/N: 5106792	20-Dec-90		
	60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND MULTI-LAYER METAL COATED DIAMOND MULTI-LAYER FOR SINTERED METAL BONDED	United States	SO	S/N: 07/857132 P/N: 5250086	25-Mar-92		
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	[Filed]			ns	S/N: 365268 P/N: 4931363	12-Jun-89			
	[Filed]	D AL EPITAXIAL S FORMERLY	United States	sn	S/N: 07/479486 P/N: 4981818	13-Feb-90			
60SD493	[Filed]		United States	SN	S/N: 08/127964 P/N: 5508071	28-Sep-93			
60SD498 Filed	Filed	T	United States		S/N: 07/563367 P/N: 5096736	7-Aug-90			
60SD499	(Filed)	2	United States United States	SIS	S/N: 07/929239 P/N: 5256206 S/N: 07/555879 P/N: 5022801	14-Aug-92	+		
60SD504	[Filed]	K K	United States		S/N: 07/577379 P/N: 5273557	4-Sep-90			
60SD506 (Filed)	Filed		United States	SD.	S/N: 07/547651 P/N: 5360479	2-Jul-90			
60SD518	(Fibed)		United States	US	S/N; 07/773461 P/N: 5266236	9-Oct-91			
60SD528	(Filed)		United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95			
	[Filed]	CHEMICALLY BONDED ADHERENT COATING IN FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	Jnited States	SO	S/N: 07/710725 P/N: 5173091	4-Jun-91			
60SD576 [Filed]	[Fled]	SMOOTH SURFACE CVD DIAMOND FILMS AND IN	United States	ns	S/N: 07/967461 P/N: 5439492	28-Oct-92			
60SD576	(Filed)	D FILMS AND	United States	SO	S/N: 08/220946 P/N: 5523121	31-Mar-94			
60SD577	(Filed)		Juffed States	SN	S/N: 08/073991 P/N: 5380557	3~Jun-93			
	[Flled]	STRATE	United States	Sn	S/N: 07/815478 P/N: 5176803	4-Mar-92			
60SD581	[Filed]	DRM	United States	Sn	S/N: 08/138888 P/N: 5387447	19-Oct-93			
60SD582	[Filed]	ES	United States	ns	S/N; 08/032750 P/N; 5306318	17-Mar-93			
60SD583 [Fled]	[Filed]	D RETENTION OF MATRICES	United States	sn	S/N: 08/005951 P/N: 5300129	19-Jan-93			
60SD584 [Filed]	[Filed]	SAW	United States	sn	S/N: 07/762999 P/N: 5143523	20-Sep-91			
60SD615 [Filed]	[Filed]	RTICLE TION OF ITR IDE	United States	sn	S/N; 07/995229 P/N; 5985228	22-Dec-92			
60SD628 [Fled]	(Filed)	_	United States	sn	S/N: 07/857192 P/N: 5405573	4-May-92			
60SD633 [Filed]	[Fled]	MAMOND ESSLY	United States	SN	SN: 07/857139 P/N: 5232469	25-Mar-92			
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٠.	60SD643 [Fled]	A DE	United States US		S/N: 08/322841 P/N: 5510193	13-Oct-94					٠
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	60SD643 [Filted]	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERI AYER FOR IMPROVED PHYSICAL	United States US	9. 	S/N: 08/595715 P/N: 5603070	2-Feb-96					
		_					<u>.</u>	•			
			United States US		S/N: 08/369047 P/N; 5490963	5-Jan-95			·		
	60SD647 [Filed] 60SD652 [Filed]		United States US			28-Oct-92			П		
	60SD652 Filed	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States US		S/N: 08/27/307 P/N: 5484330	6-Jul-94			7		
<i>i</i> .	60SD653 [Filed]		United States US			13-Jun-95			· 		
	60SD658 (Filed)	CIP	United States US		8/105523 P/N: 5494477	11-Aug-93	-		T		
	60SD660 Filed]		United States US		S/N: 07/985500 P/N; 5320988	1-Dec-92		*	[]		
	60SD662 [Fled]	METHOD OF SEPARATION OF PIECES FROM IS SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States US		SN: 08/060459 P.N; 5387776	11-May-93					
	60SD664 (Filed)		United States US		S/N: 08/400556 P/N: 5544254	8-Mar-95			 [
	60SD665 [Fled]	NG THE STRENGTH OF ABRASIVE	United States US	-	S/N: 08/016638 P/N: 5392633	12-Feb-93					
	60SD669 [Filed]	S FOR MAKING COATED ABRASIVES	United States US		S/N: 08/032750 P/N; 5306318	17-Mar-93			!		
	60SD690 [Filed]		$\overline{}$	П	8/143802 P/N: 5361621	27-Oct-93			·		
	60SD691 [Filed] 60SD693 [Filed]	IPROVED DIAMOND WIRE DIE	United States US		S/N; 08/571312 P/N; 5855996	12-Dec-95			T		
	60SD693 [Filed]	MPACT WITH IMPROVED	United States US		S/N: 09/087776 P/N: 6132675	29-May-98					
	60SD694 (Fled)		_		8/121014 P/N: 5363687	14-Sep-93	+		ΙΤ		
	60SD696 [Fled]	ABRASIVE TOOL INSERT	United States US		S/N: 08/271307 P/N: 5486137 S/N: 08/127964 P/N: 5508071	6-Jul-94 28-Sep-93	+		T		
	605D698 [Filed]	HEIR.									
	60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States US		S/N: 08/144168 P/N: 5377522	27-Oct-93			·		
٠.	60SD708 [Flee]	2			S/N: 08/310449 P/N: 5529805	22-Sep-94			<u> </u>		
	60SD709 [Fled]		United States US		S.N.: 08/286076 P.N.: 5500248	4-Aug-94					
	60SD709 [Fibed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States US		S/N: 08/583360 P/N: 5647878	5-Jan-96					
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60SD712 [Filed]	OUGHNESS			S/N: 08/238543 P/N: 5451430	5-May-94		
(Filed)	ANCING THE TOUGHNESS	Τ	SO	S/N: 08/654815 P/N: 5672395	29-May-96		
Filed	П	1 1	ns	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 Filed	COMPACTS OPER TIES	United States			6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	sn	S/N: 08/616997 P/N: 5773140	14-Mar-96		*
60SD721 Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	Sn	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726 [Flbed]	ID METHOD	United States	Sn	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	S	S/N; 08/369047 P/N; 5490963	5-Jan-95		
60SD731 [Filed]					8-Mar-95		
(Filed)	MULTILAYER CVD DIAMOND FILMS	United States	Sn	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]					13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	sn	S/N: 08/975028 P/N: 6042463	20-Nov-97	,	
60SD750 [Filted]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97			S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	Sn		20-Nov-97		
60SD753 [Fled]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	SO		10-Aug-98		
60SD760A [Filed]	CUTTING			S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 [Fited]	G ELEMENT			S/N: 08/611896 P/N: 5743346	6-Mar-96		
[Fled]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	sn	S/N: 08/777222 P/N: 5829541	27-Dec-96	•	
60SD772 [Flee]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States			7-Jan-97		
60SD772 [Fled]	TALLIN				8-Apr-03		0
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States		S/N; 09/072144 P/N; 5869015	4-May-98		
(Filed)	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS	United States	SN	S/N: 08/874769 P/N: 5858525	13-Jun-97		
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9 Country Country Filling No /Type/SMPN	S/N: 10/262784	S/N: 09/987863 P/N: 6475254	S/N: 10/174914 P/N: 6596040	S/N; 09/931312	S/N: 652242 P/N: 4605343	S/N: 830414 P/N: 4690691	S/N: 07/332914 P/N: 5261959	S/N: 08/150633 P/N: 5516554	S/N: 48176 P/N: 4797138	S/N: 07/048176 P/N: 4797138	S/N: 07/744815 P/N: 5310447	S/N: 224416 P/N: 4842677	S/N: 07/653556 P/N: \$190823	S/N: 07/407179 P/N: 5110579	S/N: 07/859753 P/N: 5273731	S/N: 07/537963 P/N: 5464071	S/N: 08/163608 P/N: 5419276	S/N: 08/368732 P/N: 5540904	S/N. 07/948077 P/N. 5204145	S/N: 07/980,444 P/N: 5356955	S/N: 07/653556 P/N: 5190823	S/N: 07/722575 P/N: 5190796
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		Y GRADED COATINGS FOR ATTICLES AND USE THEREO FIN TRIX COMPOSITES	GS FOR HEREO FIN		3RA L	-		POLYCRYSTAL INF DIAMOND AND CBN				급	METHOD FOR IMPROVING ADHESION OF UN SYNTHETIC DIAMOND COATINGS TO SUB STRATES	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING		SINGLE-CRYSTAL DIAMOND OF VERY HIGH UN THERMAL CONDUCTIVITY	ID OF VERY HIGH	CING DIAMONDS BY ITION AND EREFROM	DRE-	METHOD FOR IMPROVING ADHESION OF UNI SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	IMPROVED METHOD OF APPLYING METAL ON COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM
	60SD845 [Filed]	60SD851 (Filed)		60SD852 [Filed]	[Fled]	[Filed]	1			[Filed]	Filed	(Filed)	[Filed]	(Filed)				RD20142 [Filed]	(Filed)	RD20983 [Inactivated]		RD21033 [Filed] [1

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Docket Number	Title	Filling Country	9	Filling No./Type/SN/PN	Filling Date Age	Agent Comments			
2100100	METUOD OF BEODI ICING ABTICLES BY	3	Code						
NO. 1034 Imagivated	CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States		S/N: 08/119448 P/N: 5869133	9-Sep-93				
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	sn sn	S/N: 07/845992 P/N: 5175929	4-Mar-92				
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLE S MADE	United States	SN S	S/N; 07/738758 P/N; 5188643	1-Aug-91				
RD21661 [Fled]	PREHEATER FOR CVD DIAMOND REACTOR	Linited States			10.00				
RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION	-	S	S/N: 08/248896 P/N: 5419798	25-May-94				
RD22021 [Filed]	SUBSTANTIALY TRANSPARENT FREE	United States	Sn	S/N: 07/859753 P/N: 5273731	30-Mar-92				
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF	I Inflord Chatter	<u> </u>	CAL 07004700 DAL 5200242	00				
	CHEMICAL VAPOR DEPOSITED LAYERS	\neg			16-Dec-92				
	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	s S	S/N: 08/188877 P/N: 5382758	31-Jan-94				
RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY	United States	SO	S/N: 07/948077 P/N: 5204145	21-Sep-92				
	CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM			-					
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR	United States (Sn	S/N; 08/096392 P/N; 5391229	26-Jul-93				
*	DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	•							
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR	United States	Sn	S/N: 08/172797 P/N: 5397396	27-Dec-93				
	DEPOSITION OF DIAMOND INCLUDING THERM AL SPREADER								
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States 1	US		7-Dec-98				
l t	TUNGSTEN METALIZATION OF CVD DIAMOND	_		S/N: 08/100406 P/N: 5346719	2-Aug-93				
RD22976 [Fled]	METHOD FOR MAKING HIGH THERMAL (CONDUCTING DIAMOND)		s		3-Ccl-94				
RD22980 (Filed)	APPARATUS AND METHOD FOR CHEMICAL	United States	S	S/N: 08/261358 P/N: 5424096	13-Jun-94				
RD22980 [Fled]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	SO		27-Dec-94				
RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY	United States	Sn	S/N: 08/119448 P/N: 5869133	£6-deS-6	*			
	CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN		-						
RD23356 [Filted]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH OR	United States	ະ	S/N; 08/264268 P/N; 5437891	23-Jun-94	· · · · · · · · · · · · · · · · · · ·	-		
DD00407 FFE	DESCRESS FOR MAKING METALLIPED VIAS IN	United States	SN	S/N: 08/188877 P/N: 5382758	31-Jan-94				
KU23427 [Fi8d]	DIAMOND SUBSTRATES								
11	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	Sn	S/N: 08/538656 P/N: 5/06135	3-Oct-90				
RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES			SIN. OURSE TOT TIN. CASSES				• .	
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND		န	S/N; 08/261358 P/N; 5424096	13-Jun-94			90	
RD23511 [Fled]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE			S/N; 08/262796 P/N; 5494753	20-Jun-94				
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DI IBING I ASER FTCHING OF DIAMOND	United States	SO.	S/N: 08/248896 P/N: 5419798	25-May-94				

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Agent Comments												·										
	22-Feb-96	7-Dec-94	7-Jul-95	3-Oct-94	27-Mar-95	27-Dec-94	7-Jul-95	7-Jul-95	1-Jun-95	30-Nov-98	14-Jan-00	14-Jan-00	14-Feb-01	27-Dec-99	9-Jun-00	29-Oct-99	23-May-00	26-Feb-01	26-Sep-02	4-Dec-00	16-Aug-03	
	S/N: 08/605417 P/N: 5659415		S/N: 08/499238 P/N: 5634369		S/N: 08/411181 P/N: 5503104	5N: 08/364568 P/N: 5437728	S/N: 08/499237 P/N: 5636545	S/N: 08/499502 P/N: 5634370	3/N: 08/45/551 P/N: 556/985	S.N.: 09/201384 P.N.: 6152977	S/N: 09/484389 P/N: 6350191	S/N; 09/484392 P/N; 6406776	S/N: 09/783441	S/N: 09/472104 P/N: 6256721	S/N. 09/591189 P/N: 6242351	SIN: 09/430477 PIN: 6377340	SIN; 09/576794 PIN: 6372002	S/N: 09/783312 P/N: 6541115	SN: 10/255431	S/N: 09/729525	134047 -1 Provisional (1940) S/J CO/495/148	
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THE SHIP		T00L D			DDUCT		П	COMPOSITE DIAMOND WIRE DIE		CING	ACE-FUNCTIONALIZED DIAMOND TALS AND METHOD FOR PRODUCING	ACE-FUNCTIONALIZED DIAMOND TALS AND METHOD FOR PRODUCING S	FACE ENRICHED DIAMOND AND METHOD	IICRO SLURRY FOR CHEMICAL- NL PLANARIZATION OF SEMI	RY FOR CHEMICAL-	N OF NATURAL BEEN PROCESSED A T IIGH TEMPERATURES	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING	YSTALLINE FORMED FR OM	FR OM	E AND	METHOD OF MAKING I HEREOF METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	
	RD23717 [Filed]		Filed	٠.	RD24002 [Filted]	RD24111 [Filed]	RD24416 [Filed]	RD24447 [Filed]	RD24450 (Filed)	RD25160 [Filed]	RD25160 [Filed]	RD25160 [Filed]	RD25308 (Filed)	RD27003 [Filed]	RD27003 [Filed]	RD27642 [Filed]	RD27888 [Fled]	RD28183 [Fled]	RD28183 (Fled)	RD28271 [Fled]	134047 [Filed]	

	77.6	Service Control of the 10007000000	0.0000000000000000000000000000000000000				
(Mallines	3 111			Code	Ų.	Selli Callina	
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	Г	Presund S/N: 09/167,196 P/N: 6,187,068 (Awating)	Awatting		
	COMPACT WITH DISCRETE PARTICLE SIZE				96/7/9		
	AREAS	,,			1910		
[Awaithg]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		Dissued S/N: 08/523,868 P/N: 5,645,617 [Awating]	Awaiting]		
	COMPACT WITH IMPROVED IMPACT AND			*	701.10		
	THERMAL STABILITY				1(5/2)		
[Awathq]	COMPOSITE POLYCRYSTALLINE COMPACT	United States US		Issued S/N: 08/415,693 P/N: 5,564,511 [Awathq]	Awaling		
	WITH IMPROVED FRACTURE AND				-11.12		
	DELAMINATION RESISTANCE				V15/95		
[Awathg]	HIGH PRESSURE/HIGH TEMPERATURE	United States US		[Issued] S/N: 07/792,716 P/N: 5,244,368 [Awathq]	[Awatthg]		
	PISTON-CYLINDER APPARATUS				1421/11		
[Awatthg]	HIGH PRESSURE REACTION VESSEL	United States US		issued S/N: 07/826,809 P/N: 5,236,674 [Awating]	(Awailing)		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH	United States US		Resued S/N; 07/660,332 P/N; 6,190,734 [Awathq]	Awailing)		
	PRESSURE, HIGH TEMPERATURE REACTION				1424		
	VESSELS				14411		
[Awailing]	HIGH STRENGTH COMPOSITE COMPONENT	United States US		[Issued] S/N: 07/153,725 P/N: 5,032,147 [Awathrq]	(Awatho)		
	AND METHOD OF FABRICATION				2/8/88		
[Awatthg]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		(herued) S/N: 07/390,208 P/N: 5,011,615 (Awatho)	(Awatting)		
	COMPACT WITH IMPROVED IMPACT			٠	PA/1-/A		
	RESISTANCE				4 100		
[Awalthg]		United States US		(Issued) S/N: 07/390,204 P/N: 6,011,509 [/wattred]	(Awatting)		
	THERMALLY STABLE CUTTING EDGE AND				60/4/2		
	METHOD OF MANUFACTURING THE SAME				.0019		
(Awalling)	COMPOSITE ABRASIVE COMPACT HAVING	United States US		Issued S/N: 07/151,942 P/N: 4,871,377 [(Awatho)	(Awating)		•
	HIGH THERMAL STABILITY AND TRANSVERSE				2/3/8%		
	RUPTURE STRENGTH				5		
[Awaling]	MATRIX CUTTER	United States	Sn	[FBed] S/N: 10/183,098	(Awalting)		
[Autolline]	ENHANCED METHOD FOR MAKING CVD	linited States	<u>a</u>	ren_n S/N· 10/161 266	(Awaiting)		
	DIAMOND	Course Course			13/02		
						•	

CONFIRMATORY ASSIGNMENT OF PATENTS GENERAL ELECTRIC COMPANY TO GE SUPERABRASIVES, INC.

This Assignment, effective the 3rd day of June, 2002, is by and between GENERAL ELECTRIC COMPANY, a New York Corporation, having a corporate business address at One River Road, Schenectady, New York, 12345 ("Assignor"), and GE SUPERABRASIVES, INC., a Delaware Corporation, having its principal corporate business address at 187 Danbury Road, Second Floor, Wilton, Connecticut, 06897 ("Assignee") (and collectively, "the Parties" or "Party").

WHEREAS, Assignor and Assignee are parties to a certain Assignment, Transfer & Assumption Agreement dated June 3, 2002 (the "Assumption Agreement"), pursuant to which Assignee agreed to purchase certain assets of Assignor, and Assignor agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor is the record owner of all right, title and interest in and to the pending patent applications identified in Appendix A and issued patents identified in Appendix B attached hereto, including all inventions referenced therein and letters patent issued thereon and applications for letters patent applied for with respect thereto, throughout the world, and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, substitutions, and re-examinations of any of the foregoing throughout the world ("Patents");

WHEREAS, pursuant to the Assumption Agreement, Assignor desires to assign and transfer to Assignee all of its right, title and interest in and to the Patents, and Assignee desires to acquire the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Without limiting the foregoing, the Assignor hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, all right, title and interest in and to the Patents, together with all rights to sue for past infringement of said Patents and all causes of action (either at law or equity) with respect thereto, the right of recovery, including but not limited to damages, for such past infringement, and the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and for the use

and benefit of its successors, assigns and legal representatives. Assignor hereby authorizes the Assignee to record ownership of the Patents directly in Assignee's own name in any jurisdiction, municipality or agency, in which recordation is required.

IN WITNESS HEREOF, the parties hereto have duly executed this Agreement as of the Effective Date.

Signed at _	NEW YORK, NY	on this 3 day of December , 2003.
	v.	GENERAL ELECTRIC COMPANY Assignor
		By: William A. Woodburn poa
		Name: William A. Woodburn
- 1		Title: Senior Vice President
AGREED .	AND ACCEPTED:	
Signed at _	NEW YORK, NY	on this 31 day of December 2003.
~		* *
		GE SUPERABRASIVES, INC
		By: h Cat
		Name: William C. Carstanjen

Title: Vice President, Secretary

STATE OF New York COUNTY OF New York

BEFORE ME, the undersigned authority, on this day personally appeared William C. Carstanien, having a Power of Attorney from William A. Woodburn, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that pursuant to said Power of Attorney he executed the same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of said corporation.

Given under my hand and seal of Office this 31 day of December , 2003.

Notary Public Molly Behase

My Commission Expires: 5/27/07

STATE OF New York COUNTY OF NEW YORK) SS:

Notary Public, State of New York No. 01CH6092796 Qualified in Queens County Commission Expires 05/27/20 07

BEFORE ME, the undersigned authority, on this day personally appeared William C. Carstanjen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that he executed same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of such corporation.

Given under my hand and seal of Office this 35 day of December, 2003.

Notary Public Molly B. Chare

My Commission Expires: 5 (27/07

Qualifier

CONFIRMATORY ASSIGNMENT OF PATENTS GENERAL ELECTRIC COMPANY TO GE SUPERABRASIVES, INC.

MOLLY B. CHASE Notary Public, State of New York No. 01CH6092796
Qualified in Queens County
Commission Expires 05/27/20

APPENDIX A

Charles Alleran								,
	j	וווע	riiing Country		Filling Gountly Country Filling No Type/SNIPN Code	Filing Date Agent Comments	Agent	Comments
112200 (Filed)	ē	POLYCRYSTALLINE DIAMOND TIPS ON	United States	1	Provisional [Filed] S/N: 60/473511	23-May-03		
		FOR APPLICATION IN THE TIMBER INDUSTRY					٠.	
123571 [Filed]	<u>ਯ</u>	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	Sn	Provisional [Fled] S/N: 60/438957	9-Jan-03		
123989 Filed]	ছ	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	Sn	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	rg .	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	Sn	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	व्र	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	ns	S/N: 10/458903 P/N: 6666753	11-Jun-03		
125174 [Filted]	F.	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	S	Provisional (Filed) S/N: 60/395,181	10-Jul-02		
125174 [Filed]	ق ق	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	ns	SN: 10/455008	5-Jun-03		
125185 Fled	ğ	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	S	Provisional Filed S/N: 60/432222	10-Dec-02	٠.	
125185 [Filed]	튵	NIFORMITY OF NTS ON TE	United States		990'1EL/01 WS	9-Dec-03		
125877 (Filed)	F		United States		Provisional (Filed) S/N: 60/382209	21-May-02		
125877 Filed	ş		United States	Sn	S/N: 10/437469	8-Jul-03		
125877 [Filed]	ଚ	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	S	125877 -7 Original [Fled]			
126337 [Filed]	5	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	sn	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	5	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	SN	Provisional [Filed] S/N: 60/391707	26-Jun-02	·	
126360 [Filed]	ਰ	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	Sn	S/N: 10/437516	14-May-03		
126855 (Filed)	a	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	sn Sn	Provisional [Fled] S/N: 60/414987	1-0ct-02		
126855 (Fibed)	5	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	SU	S/N 10/621,710	17-Jul-03		
129177 Filted	5	EXTRUSION AND COMPOUNDING EQUIPMENT United States COMPONENTS WITH IMPROVED WEAR RESISTANCE				7-Feb-03		
129178 [Filed]	F]	IMPROVED WEAR RESISTANT COMPONENTS United States FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT		SD.	Provisional (Filed S/N: 60/445615	7-Feb-03		

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Filing Date Agent Comments	7-Feb-03	7-Feb-03		7-Feb-03	15-Jan-03			22-Apr-03		7-Feb-03	•	Feb-03	7-Feb-03	0.1-03			14-Feb-03		7-Feb-03	P. May, O.3		,		11-Mar-03		14-Way-03	22-04-03			9-May-03		4-Aug-03		2-May-03	
3 Country Courtry Filling No./Type/SAIPN FF	Provisional [Fled] S/N: 60/445614 7-	Provisional [Fled] S/N: 60/445659 7-		Provisional [Filed] S/N: 60/445633 7-	Provisional [Fled] S/N: 60/440455			Provisional [Filed] S/N: 60/464517 22		Provisional [Filed] S/N: 60/445609 7-			Provisional [Filed] S/N: 60/445610 7-	Provisional relations of the second second	529'105/02		Provisional [Fited] S/N: 60/447808 14		Provisional (Fled) S/N: 60/445613 7-	Dendrican rm 5 (N: 60/460285		·		Provisional (Fled) 66/453, 487 11		Provisional (Filed) S/N: 60/470306		Z/N /0/640, 76/		Provisional [Fled] S/N: 60/469287 9-		Provisional Filed S/N 26/V9C/V9 14-Aug-03	B	Provisional (Fled) S/N: 60/46/311 2-	
untry Country F	ns	S		S	Sn	-		Sn		Sn		US	sn	Sin			SO_		Sn	2	3	-		Sn		s S	9			S		Sn		sn	
Filmg Go	United States	United States		CE United States	United States		,	United States		United States		United States	United States	United States			United States		United States	I Inited Chates		<u>a</u>		United States		United States	11-16-1			United States	3	United States		United States	
	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS	DRILLING	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	ARTICLES COMPRISING AN ABRASION-	BONDED WITH GRADED INTERFACE TO A	RESINOUS CORE MATERIAL	ARTICLES COMPRISING AN ABRASION. RESISTANT RESINDUS SKIN INTERDATIV	BONDED WITH GRADED INTERFACE TO A RESINOIS CODE MATERIA	WEAR AND CORROSION PREVENTION IN	FIREARMS	AIRCRAFT ENGINE WEAR PARTS	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	SELECTION OF DIAMONDS GRIT	MORPHOLOGY AND SIZE DISTRIBUTION FOR	CMP CONDITIONER APPLICATION	IMPROVED WEAR PEROFRMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND	COMPOSITE FORMING	PCD AND PCBN TOOL BLANKS WITH	CONTINCE WITH HIGH V TOBILIOUS	SURFACE TOPOGRAPHY FOR	ABRASIVE/SUPERABRASIVE PARTICLES USED	IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	IMPROVED TOOLS FOR MACHINING FIBER	CEMENTS	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-	BRAZING IN TOOL FABRICATION	SUPERABRASIVE TOOLS PRESS-FIT IN TO CARBIDE SUBSTRATES TO ELIMINATE HOT-	BRAZING IN TOOL FABRICATION	DRILL BITS, ROUTER BITS, PROFILE	WITH IMPROVED WEAR RESISTANCE	METHOD TO IMPROVE TOO! INTEGRITY	WHEN CUTTING STONE	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON INTRIDE POWIDER	THE INDEPENDENT
	129182 [Filed]	129184 [Filed]		129892 [Filed]	130335 [Filed]		130336	(Palled)		131068 [Filed]		132255 [Filed]	132270 (Filled)	132875 [Filed]			133139 [Filed]		133140 [Filed]	422444 1511 2	12014 Fied			133615 [Filed]		133794 [Filed]	- 1	133794 (Filed)		133920 [Filed]		133075 155-0	formul a coord	135143 [Filed]	

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	'2	Filling Date Agent	3-Dec-03	10-Dec-03	7-Sep-88	29-Jan-86	20-Jul-83	14-Oct-83	2-May-83	14~Jan-86	14-Jan-86	20-Jul-83	23-Sep-83	14-Oct-83	16-Oct-86	30-Nov-88	4-Feb-85	27-Jan-87	16-Jun-89	25-Jun-84	30-May-89	11-May-88	12-Jun-89
		Country Country Pilling No Trype/SMPN Code Code	Provisional (Filed) S/J 64/226,576	Provisional Filed S/서 60/52은 372 10-Dec-03	SN: 219289 P/N: 4311490	S/N: 823893 P/N: 4673414	S/N: 515448 P/N: 4498450	S/N: 542081 P/N: 4525179	S/N: 488003 P/N: 4536442	S/N: 818850 P/N: 4797326		S/N: 515448 P/N: 4498450	S/N: 536221 P/N: 4518659	S/N: 552081 P/N: 4525179	S/N: 06/920041 P/N: 4738689	S/N: 07/277875 P/N: 5009673	S/N: 697668 P/N: 4810447	S/N: 8491 P/N: 4832708	S/N: 7/366943 P/N: 5043120		S/N: 07/358728 P/N: 4951427		SIN: 7/365268 PIN: 4931363
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· · · · · · · · · · · · · · · · · · ·			MACHINING		E COMPACTS ASIVE PA RTICLE	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	GANG SAW FOR CUTTING BLOCKS OF STONE United	PROCESS FOR MAKING DIAMOND AND CUBIC Uni BORON NITRIDE COMPACTS		$\overline{}$	SUPPORTED POLYCRYSTALLINE COMPACTS Unit	GANG SAW FOR CUTTING BLOCKS OF STONE United		Ω		POLYCRYSTALLINE SANDWICH COMPACTS Unit AND METHOD FOR MAKING SAME	SYSTEM FOR IMPROVED FLAW DETECTION IN United POLYCRYSTALLINE DIAMOND	SYSTEM FOR IMPROVED FLAW DETECTION IN United POLYCRYSTALLINE DIAMOND		EMENTS	REFRACTORY METAL OXIDE COATED Unit ABRASIVES AND GRINDING WHEELS MADE THEREFROM		BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION
		Docket Number	[hen]	[Filed]	Filed		9USU184 [Filed]	- Filed		60SD245 [Filed]			[Filed]	60SD251 [Filed]		[Filed]	[Filed]		60SD261 [Fled]	60SD262 [Filed]	60SD303 Fled		60SD308 [Filed]

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60SD30811 (Filed)	Filed	BRAZED THERMAI I Y.STARI E	Inited Circus) (000	O. A. APORTE DAIL ADDRESS			
		POLYCRYSTALLINE DIAMOND COMPACT	Sales Dalling	3	5/N: 1585/5 P/N: 4899922	22-Feb-88		
60SD317 IFiled	Poli:	COATED OXIDATION BESISTANT BODGES						•
		ABRASIVE COMPACT AND METHOD FOR	United States	sn_	S/N: 920041 P/N: 47386689	16-Oct-86		
		MAKING SAME						
60SD318 [Filed]	[Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	Sn	S/N: 07/158336 P/N: 4850523	22-Feb-88		
60SD327	(Filed)	SYSTEM FOR IMPROVED FLAW DETECTION IN United States	United States	Sh	S/N: 008491 P/N: 4832708	29- tan-87		
FOSD33 mil.	1	POLYCRYSTALLINE DIAMOND					•	•
e como	iga di	OF ICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE ROPON	United States	SN	S/N: 488003 P/N: 4536442	2-May-83		
		NITRIDE OR DIAMOND						
60SD332	Filed		United States		S/N: 713966 P/N: 4661180	25_Mar_85	1	
60SD333 [Filed]	Filed	_	United States		S/N: 153466 P/N: 4828582	3-Feb-88	T	
60SD333V	Filed	POLYCRYSTALLINE ABRASIVE GRIT	United States	ns	S/N: 793462 P/N: 4828582	1-Sep-88		
6050358 (Filed)	[Filed]	PRODUCTS AND PROCESS FOR MAKING	United States	Sn	S/N: 07/669259 P/N: 5211726	14-Mar-91		
EUCDOCA					,			
9020304	Lifed	- 1	United States	Sn	S/N: 07/669124 P/N: 5106392	14-Mar-91	-	
	(Filed)	E CBN	Juiled States	Sn.	S/N: 7/429661 P/N: 5026960	31-Oct-89	,	
60SD368 I	[Filed]	ш	United States		S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Fled]	Fled		United States	ns	S/N; 328347 P/N; D330206	24-Mar-89		
		DIAMOND CUTTING BLANKS						
60SD390	Fled	- 1	United States	S	S/N: 07/635082 P/N: 5172681	28-Dec-90		0
60SO401 (Filed)	Fled	INTERLOCKING MOUNTED ABRASIVE	Jniled States			3-Apr-89		
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	Lied	POLYCRYSTALLINE DIAMOND GRIT	salaic paille	3_	S/M, 262403 F/M, 4665000	20-100-0		
60SD419 [Fled]	F-813	CUBIC	United States	ns	S/N: 7/394349 P/N: 4985050	15-Aug-89		
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60SD428 Filed	Filed	DRILLING	United States	SN	S/N: 7/420191 P/N: 5022894	12-Oct-89		
60SD437 [[Filed]		United States	S	S/N: 331928 P/N: 4954139	31-Mar-89		
		WITH FLAT CARBIDE SUPPOR I/DIAMOND OR	er .					
0000		CTO INTENDICTOR OF TAIL INE	Inited States	<u>v</u>	S/N: 328348 P/N: D324527	24-Mar-89		
605D439 Filed		DIAMOND CUTTING BLANK	Julien Sidies	3				
60SD439 (Fled)	(Filed)	STUD-MOUNTED POLYCRYSTALLINE	United States	SN	S/N: 7/328348 P/N: 324527	24-Mar-89		
*		DIAMOND CUTTING BLANK					1	
60SD440 r	[Filed]		United States	SO	S/N; 332828 P/N; D324056	So-JdW-c		
60SD455	[Flled]	CBN/CBN COMPOSITE MASSES AND THEIR	United States	Sn	S/N: 7/630916 P/N: 5106792	20-Dec-90		
EDC DAKE	5	AETAI COATED DIAMOND	United States	SII	S/N: 07/857132 P/N: 5250086	25-Mar-92		
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	5.6	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	<u>ا</u>	\Box	ဟျ				ECTRICALLY (CTS	П		SMOOTH SURFACE CVD DIAMOND FILMS AND IT METHOD FOR PRODUCING SAME	MS AND	┈	SUBSTRATE	_	ES		SAW		_	
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	BRAZED THERMALLY-STABLE POLYCESTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAI GROWTH OF SEMICONDUCTORS F	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	CVD DIAMOND FOR COATING T	MAMONE	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY	S	BOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	THERMALLY STABLE DENSE ELECTE CONDUCTIVE DIAMOND COMPACTS	MULTILAYER CVD DIAMOND FILMS	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	SMOOTH SURFACE CVD DIAMONI METHOD FOR PRODUCING SAME	SMOOTH SURFACE CVD DIAMONI METHOD FOR PRODUCING SAME	CARBON FLUORIDE COMPOSITIONS	OD FOR	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODU CTION OF MULTICRYSTALLINE CUBIC BORON NITR IDE	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	MULTHLAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER
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United States US SN: 08/143802 PN: 5361621 United States US SN: 08/571312 PN: 5465603 United States US SN: 08/77312 PN: 5855996 United States US SN: 08/7776 PN: 6132675 United States US SN: 08/77307 PN: 5466137 United States US SN: 08/77307 PN: 5486137 United States US SN: 08/77307 PN: 5508071 United States US SN: 08/144168 PN: 5377522 United States US SN: 08/144168 PN: 5529805 United States US SN: 08/310449 PN: 5529805
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Docket Number	Title Title	Filling Country	Country	Fifting Country Country Filling No/Type/SNIPN	Filling Date	Agent	Agent Comments	_
	METHOD FOR ENHANCING THE OF CVD DIAMOND	United States	S S	S/N: 08/238543 P/N: 5451430	5-May-94			
		1		S/N; 08/654815 P/N; 5672395	29-May-96			
50SD74 (Filed)	ANNULAR DIAMOND BODIES	1	S	S/N: 08/311658 P/N: 5551277	23-Sep-94			
SU/13 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States		5N: 08/239156 P/N: 5512235	6-May-94			
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	SN .	S/N: 08/616997 P/N: 5773140	14-Mar-96			
60SD721 [Filed]		United States	Sn	S/N: 08/412050 P/N: 5660075	28-Mar-95			
60SD726 [Filed]		United States	S	S/N: 08/551593 P/N: 5660936	1-Nov-95			
60SD728 [Filed]		United States	SU	S/N: 08/369047 P/N: 5490963	5-Jan-95			
60SD731 [Filed]		United States	Sn	S/N: 08/400556 P/N: 5544254	8-Mar-95			
60SD732 (Filed)	MULTILAYER CVD DIAMOND FILMS			S/N: 08/400555 P/N: 5491002	8-Mar-95			
60SD745 [Filed]	·	l	s Sn	S/N: 08/555672 P/N: 5669944	13-Nov-95			
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING REATING	United States	s Sn	S/N: 08/975028 P/N: 6042463	20-Nov-97			
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97	United States	S Sn	S/N: 08/591879 P/N: 5662720	26-Jan-96	,		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPARII ITY	United States	s Sn	S/N: 08/975429 P/N: 6045440	20-Nov-97			
60SD753 [Filed]		United States	s	S/N: 09/131460 P/N: 6196910	10-Aug-98			
60SD760A Filed				S/N: 08/777213 P/N: 5848657	27-Dec-96			
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT		s so	S/N: 08/611896 P/N: 5743346	6-Mar-96			
60SD769 [Filed]			s sn	S/N: 08/777222 P/N: 5829541	27-Dec-96	-		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS			S/N: 08/779417	7-Jan-97			
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS			S/N: 10/411471	8-Apr-03			
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST			S/N: 09/072144 P/N: 5869015	4-May-98			
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FAMAFGADIAMOND	United States	s Sn	S/N: 08/874769 P/N: 5858525	13-Jun-97			

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60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	Sn	S/N: 10/262784	2-Oct-02			
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	Sn	S/N: 09/987863 P/N: 6475254	16-Nov-01			T
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	Sn	S/N: 10/174914 P/N: 6596040	19-Jun-02			
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	Sn	S/N: 09/931312	16-Aug-01			\top
	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	United States	Sn	S/N: 652242 P/N: 4605343	20-Sep-84			
		United States	Sn	S/N: 830414 P/N: 4690691	13-Feb-86	-		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	ns	S/N: 07/332914 P/N: 5261959	4-Apr-89	1		Т
	POLYCRYSTALLINE DIAMOND AND CBN	United States United States		S/N: 08/150633 P/N: 5516554 S/N: 48176 P/N: 4797138	10-Nov-93			П
RD18037 [Fled]	CUTTING TOOLS POLYCRYSTALLINE DIAMOND AND CBN	Inited Clotes		001. 101. 101. 101. 101. 100. 100. 100.	/ 0-ABIAI-1 1			
		Omed States		S/N: U//0481/6 P/N: 4/9/138	11-May-87			
	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	sn	S/N: 07/744815 P/N: 5310447	12-Aug-91			Π
	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	Sn	S/N: 224416 P/N: 4842677	26-Jul-88			T
RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUB STRATES	United States	SU	S/N: 07/653556 P/N: 5190823	11-Feb-91			
RD19369 [Filed]		United States	Sn	S/N: 07/407179 P/N: 5110579	14-Sep-89			T
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING	United States	sn	S/N: 07/859753 P/N: 5273731	30-Mar-92			
RD19567 [Filed]		United States	Sn	S/N: 07/537963 P/N: 5464071	13-Jun-90		-	
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States		S/N: 08/163608 P/N: 5419276	6-Dec-93			
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States		S/N: 08/368732 P/N: 5540904	4-Jan-95			
RD20790 (Filed)	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	sn	S/N: 07/948077 P/N: 5204145	21-Sep-92	<u> </u>		
RD20983 [machated]	SHELL FORM AND METHOD OF PREPARATION	United States	SN	S/N: 07/980,444 P/N: 5356955	23-Nov-93			
RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	SO	S/N: 07/653556 P/N: 5190823	11-Feb-91			
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	Sn	SIN: 07/722575 PIN: 5190796	27-Jun-91			

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	Ountry Cournry Filling No Trype/SMPN	S/N: 08/605417 P/N: 5659415	S/N: 08/350572 P/N: 5626909	S/N: 08/499238 P/N: 5634369	S/N: 08/316998 P/N: 5525815	S/N: 08/411181 DAI: E503104	S/N: 08/364568 P/N; 5437728	S/N: 08/499237 P/N: 5636545	S/N: 08/499502 P/N: 5634370	S/N: 08/457551 P/N: 5567985	S/N: 09/201384 P/N: 6152977	S/N: 09/484389 P/N: 6350191	S/N: 09/484392 P/N: 6406776	S/N: 09/783441	S/N: 09/472104 P/N: 6258721	S/N: 09/591189 P/N: 6242351	S/N: 09/430477 P/N: 6377340	S/N: 09/576794 P/N: 6372002	S/N: 09/793312 P/N: 6541115	SN: 10/255431	S/N: 09/729525	134047 -1 Provisional (Filad)
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·	Filing Country	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States						
		ULTRAFAST OPTICAL MODULATOR		TE DIAMOND WIRE DIE	н ысн		1		l i		SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	CING		8.		DIAMOND MICRO SLURRY FOR CHEMICAL- MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	N OF NATURAL BEEN PROCESSED A T IIGH TEMPERATURES	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING	YSTALLINE FORMED FR OM S	STALLINE DRMED FR OM	,	SAW BLADES
	Docket Number	RD23717 [Filed]	NUZSO19 Fled	RD23927 Filed	KD23948 [Filed]	RD24002 [Filed]	RD24111 [Filted]		ND24447 [Filed]	KD24450 [Filed]	RD25160 [Filed]	RD25160 [Filed]	RD25160 [Filed]	RD25308 [Filed]	RD27003 [Filed]	RD27003 [Filed]	RD27642 [Filed]	RD27888 [Filed]	RD28183 [Filed]	RD28183 [Filed]	RD28271 [Filed]	134047 [Filed]

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iagilioni tavoo		FIIIIg Country	Country	Filling Country Country Filling No/Type/SNIPN	Filing Date Agent Comments	Agent	Comments	
[Awaffing]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		Period S/N: 09/167 196 D/N: 6 187 069 [Awalling]	(Aucalline)			
	CT WITH DISCRETE PARTICLE SIZE							_
	AREAS							
[Awaiimg]	E DIAMOND	United States US		Itssued; S/N: 08/523,868 P/N: 5,645,617 [Awaithq]	[Awaiting]			
	COMPACT WITH IMPROVED IMPACT AND				1		*	_
	THERMAL STABILITY							_
[Summer]	COMPACT	United States US		Paned S/N: 08/415 693 D/N: E E64 E44 (Aughted	Photophon			_
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	DELAMINATION RESISTANCE							_
[Awailing]	HIGH PRESSURE/HIGH TEMPERATURE	United States 115	2	Press C. O. 1782 246 P.M. C 044 400				
	PISTON-CYLINDER APPARATUS		}	[issued] 2014. 071. 24,7 0 F.114. 0,244,368 Awaring)	(Burneau)			_
[Awaffing]	SSEL	United States 115	2	Trained S.M. 07/826 806 B.M. E 226 624				
			3	[asued] 2/14. 0/1026,003 P/N: 5,236,6/4[[Awating]	[Duneav]			_
[Awalling]	MODIFIED END ASSEMBLY FOR HIGH	United States 119		. CM: A7/CCA 000 BB: 7 400 BB:				_
	PRESSURE, HIGH TEMPERATURE BEACTION			[issued] Onv. 0/1000,552 P/N: 5,150,734 [Awanng]	[Guirewe]			_
	VESSELS							_
[Awailing]	ENGTH COMPOSITE COMPONENT	linited States 118						_
		Cimed States		[issued] 5/N: 0/1155,/25 P/N: 5,032,747 [Awaring]	[Awarming]			_
(Awatting)	COMPOSITE POLYCRYSTALLINE DIAMOND	Unified States 115	T	P C.M. O77300 309 D.M. E 044 E4E (Asserting)	Averable			_
	ACT			[issued] S/N. 0//530,208 F/N. 5,011,515	(Dunnay)		-	_
						<i>:.</i>		
[Awatting]	COMPOSITE COMPACT WITH A MORE	United States US		Issued S/N: 07/390.204 P/N: 5.011.509 (Awatho)	[Awatting]			
	EDGE AND				1		÷	
	METHOD OF MANUFACTURING THE SAME	•					:	
[Awaiing]	COMPOSITE ABRASIVE COMPACT HAVING	United States US		Issued S/N: 07/151,942 P/N: 4,871,377 [Awatthg]	[Awalting]			
	SE							
	RUPTURE STRENGTH							
[Awaithg]	MATRIX CUTTER	United States US	sn.	[Flact] S/N: 10/183,098	[Awaiting]			
[Awailing]	ENHANCED METHOD FOR MAKING CVD	United States US	ns	PRed S/N: 10/161,266	[Awalting]			

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Filling Date	23-May-03	9-Jan-03	14-Jun-02	10-Jul-02	11-Jun-03	10-Jul-02	5-Jun-03	10-Dec-02	9-Dec-03	21-May-02	8-Jul-03		31-Jul-02	26-Jun-02	14-May-03	1-0cl-02	17-Jul-03	7-Feb-03	7-Feb-03
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Cition Similar	United States	United States	United States	United States	United States	United States	United States	United States	OF United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States
	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	TING					CUTTING TOOL WITH TWO-SLOPE PROFILE ID DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	METHOD TO IMPROVE WEAR UNIFORMITY OF United States DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	METHOD TO IMPROVE WEAR UNIFORMITY OF IL DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE		ITERS AND	AND	АТСН			METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	NG SINTERED MOND ON TUNGSTEN	1.	IMPROVED WEAR RESISTANT COMPONENTS UFFOR SIZE REDUCTION AND SIZE CLASSIFICATION FOLLIPMENT
	112200 [Filed]	123571 [Filed]		17 (Filed)	124337 [Filed]	125174 [Filed]	125174 [Filed]	125185 [Filed]	5 (Filed)	7 (Filed)	7 [Filed]	7 [Filed]	7 (Fled)) [Filed]	126360 [Filed]	[Filed]		[Filed]	[Filed]
	11220	12357	1236	124337	12433	12517	12517	12518	125185	125877	125877	125877	126337	126360	126360	126855	126855 [Filed]	129177 (Filed)	129178

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		ANT DRILL BIT BODIES AND ONENTS FOR OIL AND GAS RROSION RESISTANT OBJEICE	LY O A		NI NOIL	AIRCRAFT ENGINE WEAR PARTS UN CLIPPER BLADE SETS AND COMBS WITH 11/2	i	R	IMPROVED WEAR PEROFRMANCE TOOLS UP FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING		TORTUOUS FOR		RASIVE TOOLS PRESS-FIT INTO SUBSTRATES TO ELIMINATE HOT- N TOOL FABRICATION	INTO TE HOT-	DRILL BTS, ROUTER BTS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE		BRASIVE TOOLS ID OR CUBIC BORON
·	Oocket Number 129182 Filed	129184 [Filed] 129892 [Filed]	130335 Filed	130335 [Flled]	131068 (Filed)	132255 [Filed] 132270 [Filed]	132875 [Filed]		133139 [Filed]	133140 [Filed]	133141 [Filed]	 133615 [Filled]	133794 Filed	133794 [Filed]	133920 (Filed)	133975 [Filed]	135143 [Filed]

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136255 FFIA.	SINTEBED COMBACT EOD 1155 IN 111.01 INC.		Code		•	****	9	
	VARIOUS CAST IRON MATERIALS	United States		Provisional (Flad)	3-Dec-03			
145361 [Flact]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States US		Provisional (मध्य)	10-Dec-03			
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PA RTICLE LAYERS	United States	Sn	S.N. 219289 P.N. 4311490	7-Sep-88			
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME		Sn	S/N: 823893 P/N: 4673414	29-Jan-86			
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE United States	United States	N N	S/N: 515448 P/N: 4498450	20-Jul-83			
60SD240 Filed]		United States	SU SU	S/N: 542081 P/N: 4525179	14-Oct-83			
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83			٠
60SD245 [Filed]	R FILING	_			14-Jan-86			
60SD24559 [Filed]			Sn	S/N: 818850 P/N: 4797326	14-Jan-86			
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE United States	1	S	S/N: 515448 P/N: 4498450	20-Jul-83			
60SD249 [Filted]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	s S	S/N: 536221 P/N: 4518659	23-Sep-83			
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	sn	S/N: 552081 P/N: 4525179	14-Oct-83			
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME			S/N: 06/920041 P/N: 4738689	16-Oct-86			
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	I .	s Sn	673	30-Nov-88			
60SD257 [Filed]	ETECTION IN	United States		47	4-Feb-85			
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States		S/N: 8491 P/N: 4832708	27~Jan-87			-
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESUL TING PRODUCT		S SN	S/N: 7/366943 P/N: 5043120	16-Jun-89			•
60SD262 [Filed]		United States	s sn	S/N: 624064 P/N: 4527998	25-Jun-84			
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	1		S/N: 07/358728 P/N: 4951427	30-May-89			
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	lates		S/N: 7/192872 P/N: D317010	11-May-88			
60SD308 Filed	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States t	s Sn	SN: 7/365268 P/N: 4931363	12-Jun-89			
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Docket Number	Title	Filling Country	Country	Fifthg Country Country Filling No/Type/SN/PN	FILLER CONT.	2	Anama Communica
60SD30811 IEIIM	BRAZEN THEBMAILY, STABLE		Code				
		United States	s S	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	Sn	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	Sn	S/N: 07/158336 P/N: 4850523	22-Feb-88		
60SD327 (Filed)	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	United States	Sn	S/N: 008491 P/N: 4832708	29~Jan-87		
	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	SO	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 Filed	METHOD OF MAKING DIAMOND TOOL	П	Sn	S/N: 713966 P/N: 4661180	25-Mar-85	1	
60SD333V Filed	POLYCRYSTALLINE ABRASIVE GRIT	П		S/N: 153466 P/N: 4828582	3-Feb-88	Ī	
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING	United States	S)	S/N: 793462 P/N: 4828582	1-Sep-88		
	MULTIGRAIN ABRASIVE COMPACTS			S/N: 07/669259 P/N; 5211726	14-Mar-91		
	MULTIGRAIN ABRASIVE PARTICLES	П	SN	S/N: 07/669124 P/N: 5106392	14-Mar-91		
	CHIL BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS			S/N: 7/429661 P/N: 5026960	31-Oct-89		
	DIAMOND AND CUBIC BORON NITRIDE			S/N: 156272 P/N: 4807402	12-Feb-88		
605D389 (Filed)	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	sn		24-Mar-89		
60SD390 [Filed]	MOND			S/N: 07/635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	Sn	S/N: 332814 P/N: D325226	3-Apr-89	- - -	
60SD412 Filled]	SAWBLADE SEGMENTS UTILIZING	United States	SN	S/N; 262405 P/N; 4883500	25-Oct-88		
	POLYCRYS I ALLINE DIAMOND GRIT	╗					
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	<u>ಸ</u>	S/N: 7/394349 P/N: 4985050	15-Aug-89		
60SD428 [Fled]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	S)	S/N: 7/420191 P/N: 5022894	12-Oct-89		
60SD437 [Filted]		United States	SN SN	S/N; 331928 P/N; 4954139	31-Mar-89		
	POLYCRYS FALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR				·.		
	CBN INTERFACES						
60SD439 [FIRed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	<u>s</u>	S/N; 328348 P/N; D324527	24-Mar-89	. ·	
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	s sn	S/N: 7/328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States 1	s sn	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filted]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States 1	s Sn	S/N: 7/630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED	United States	s Sn	S/N: 07/857132 P/N: 5250086	25-Mar-92	-	

	iily vale. Agent Comments	12-Jun-89	13-Feb-90	28-Sep-93	7-Aug-90	14-Aug-92	18-Jul-90 4-Sep-90	2-Jul-90	9-Oct-91	105.05	4-Jun-91	28-Oci-92	31-Mar-94	3-Jun-93	4-Mar-92	19-Oct-93	17-Mar-93	19-Jan-93	20-Sep-91	22-Dec-92	4-May-92		25-Mar-92
Firm Country Court (Filling No. / Type/Suipu		S/N: 365268 P/N: 4931363	S/N: 07/479486 P/N: 4981818	S/N: 08/127964 P/N: 5508071 28			S/N: 07/577379 P/N: 5273557 4-4	S/N: 07/547651 P/N: 5360479 2~	S/N: 07/773461 P/N: 5266236 9-C	S/N: 08/400555 P/N: 5491002			S/N: 08/220946 P/N: 5523121 31-	S/N: 08/073991 P/N: 5380557		S/N: 08/138888 P/N: 5387447 19-	S/N: 08/032750 P/N: 5306318	S/N: 08/005951 P/N: 5300129 19-	S/N: 07/762999 P/N: 5143523 20-	S/N: 07/995229 P/N: 5985228 22-	S/N: 07/857192 P/N: 5405573 4-N	207 0001 180 00711070	
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Title	BDA75C TUSDAAN V CTAR: 5	ACT	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	LUS THOD OF		ន	SO.		TRICALLY S	Ē	COATING		ILMS AND	SNO	SUBSTRATE	METHOD FOR PRODUCING UNIFORM U	O ABRASIVES	NETENTION OF MATRICES	T	METHOD FOR CONTROLLING THE PARTICLE USED DISTRIBUTION IN THE PRODUCTION OF MAIL TICRYSTALLINE CUBIC RORON NITR IDE	╅═─	MARKONIO	
Docket Number	60SD461 renum		ous U4 By [Filed]	60SD493 [Filed]	28 Filed)4 (Filed)		8 [Filed]	8 (Filed)	7 [Filted]	6 (Filed)	6 [Filed]	7 (Filed)	8 (Filed)	1 (Filed)	2 [Filed]	3 [Filed]	(Filed)	5 [Filed]	8 (Filed)	W-113-1	
Cocke	90SD46		500 500 500 500 500 500 500 500 500 500	60SD493	60SD498	60SD499	60SD504	60SD506	60SD518	60SD528	60SD567	60SD576	60SD576	60SD577	60SD578 [Fled]	60SD581	60SD582	60SD583	60SD584	60SD615	60SD628	FUSD633 ICILAN	1

Cocket Number 60SD643 [Filed]	THIE SUPPORTED POYCRYSTALLINE DIAMOND	Filting Country	Country	Filling Country/Country Filling No.TypelStuPN Gode Gode In Can. Astronomy Estated	Filling Clate	Agent	Agent Comments	
1	COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES		3	SIN. 06/32264 PIN. 5510183	- 1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-			
	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	United States	Sn	S/N: 08/595715 P/N: 5603070	2-Feb-96			
	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	Sn	S/N: 08/369047 P/N: 5490963	5-Jan-95			
	FINE GRAIN DIAMOND WORKPIECES	United States		S/N: 07/967461 P/N: 5439492	28-Oct-92			
	ABBASIVE TOOL INSERT SEE CIP 60SD00658	United States		S/N: 08/095631 P/N: 5484330	21-Jul-93			
Filed	REDUCTION OF STRESSES IN THE	United States	8	S/N: 08/271307 P/N: 5486137	6-Jul-94			
	POLYCRYSTALLINE ABRASIVE LAYER OF A C OMPOSITE COMPACT IN THE IN SITU BONDED CAD RIDE/CADBIDE SI IDDOD			5/N: U8/4898 / / P/N: 5560 /54	13-Jun-95			
Filed	ABRASIVE TOOL INSERT SEE CIP	United States	SI	S/N· 08/105523 P/N· 5494477	11.0.02			
[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States		S/N: 07/985500 P/N: 5320988	1-Dec-92			
	METHOD OF SEPARATION OF PIECES FROM	United States	Sil	S/N: 08/060459 P/N: 5387776	11.May.03			
	SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE		3 :		CG-Keiner			·
(Filed)	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	Sn	S/N: 08/400556 P/N: 5544254	8-Mar-95			
[Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	sn	S/N: 08/016638 P/N: 5392633	12-Feb-93			
60SD669 [Fled]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	sn	S/N; 08/032750 P/N; 5306318	17-Mar-93			
[Ellerd	MI II TIPI E GRAINED DIAMOND WIRE DIE	United States	SD	S/N: 08/143802 P/N: 5361621	27-Oct-93			
Fled	OPTICALLY IMPROVED DIAMOND WIRE DIE	T	Sn	S/N: 08/148803 P/N: 5465603	5-Nov-93			
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES			S/N: 08/571312 P/N: 5855996	12-Dec-95			
[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States		S/N; 09/087776 P/N; 6132675	29-May-98			
60SD694 [Filted]	DIAMOND WIRE DIE	United States		S/N: 08/121014 P/N: 5363687	14-Sep-93			
[Filed]	ABRASIVE TOOL INSERT	United States	S	S/N: 08/271307 P/N: 5486137	6-Jul-94			
(Filed)	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States		S/N: 08/12/964 P/N: 55060/1	ra-dec-97			
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	SN	S/N; 08/144168 P/N; 5377522	27-Oct-93			
60SD708 [Filed]	S FOR MANUFACTUR	United States	sn	S/N: 08/310449 P/N; 5529805	22-Sep-94			
60SD709 [Filed]	TON OF AIR BRAZABL ERTS AND INSERTS F	United States	SN	S/N: 08/286076 P/N: 5500248	4-Aug-94			
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED	United States	೫	S/N. 08/583360 P/N. 5647878	5-Jan-96	,		
	INCREDI							

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OOCREE NUMBER	IIIIe	Fiffing Country C	Country #1	Fifing Country Courtry Filling No/Type/SMPN Code	Filling Oate	Agent	Comments		
	METHOD FOR ENHANCING THE TOUGHINESS OF CVD DIAMOND	United States U	US S/I	S/N: 08/238543 P/N: 5451430	5-May-94				
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States U	US S/I	S/N: 08/654815 P/N: 5672395	29-May-96				
60SD714 [Filed]	ANNULAR DIAMOND BODIES	Т	US S/I	S/N: 08/311658 P/N: 5551277	23-Sep-94	1			
Deni.	SOUTON ED POLYCRYS I ALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States U		N. 08/239156 P/N. 5512235	6-May-94				
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES	United States U	SO	S/N: 08/616997 P/N: 5773140	14-Mar-96				
	AND ME I HOD FOR MAKING SAME	ı							
busiD/21 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States U	SU SU	S/N: 08/412050 P/N: 5660075	28-Mar-95				
60SD726 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States U	SU	S/N: 08/551593 P/N: 5660936	1-Nov-95			٠.	
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS		Sn	S/N: 08/369047 P/N: 5490963	5-Jan-95				
60SD731 [Filted]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States U	SN SW	S/N: 08/400556 P/N: 5544254	8-Mar-95				
- 1		_			8-Mar-95				
60SD745 [Filed]	HGH	United States U	NS SU	S/N: 08/555672 P/N: 5669944	13-Nov-95				
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States U.	SN SN	S/N: 08/975028 P/N: 6042463	20-Nov-97				
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97				26-Jan-96				
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States US			20-Nov-97		:		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States US		S/N: 09/131460 P/N: 6196910	10-Aug-98				
60SD760A [Filed]	$\overline{}$	ales		S/N: 08/777213 P/N: 5848657	27-Dec-96				
60SD768 [Filed]	MENT	United States US		S/N: 08/611896 P/N: 5743346	6-Mar-96				ě
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN		NS SU	SIN: 08/777222 PIN: 5829541	27-Dec-96	7.			
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States US			7-Jan-97				
60SD772 [Filed]		·			8-Apr-03		,		
60SD774 [Filed]		United States US		S/N: 09/072144 P/N: 5869015	4-May-98				
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FYMMEGADIAMOND	United States US		S/N: 08/874769 P/N: 5858525	13-Jun-97				

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	Comments																*					
	te Agent					+	-		-			<u>.</u>										
	Filling Cate	28-Apr-00	14-Jan-97	14-Oct-97	21-Jul-99	27 Lan 00	4-May-98	15-May-00	8-Jan-03	19-Dec-00	2-Nov-01	16-Nov-01	17-Jun-99	14-Dec-01	25-Aug-00	9-Jul-01	30-Apr-01	11-Aug-00	11-Feb-03	2-Feb-01	15-Dec-00	5-War-01 23-Aug-01
	Filing Country Country Filling No/Type/SNIPN Code	S/N: 09/561128 P/N: 6322891	S/N: 08/783171 P/N: 6009963	S/N: 08/950004 P/N: 5957005	S/N: 09/358271 P/N: 6314836	S/N: 09/492095 P/N: 6260640	S/N: 09/072471 P/N: 6102143	S/N: 09/570957 P/N: 6319608	S/N: 10/338136	SIN: 09/740777 PIN: 6375446	S/N: 10/001573	S/N: 09/988244	S/N: 60/139654	S/N: 10/014547	S/N: 10/069362	S/N: 09/901159	S/N: 09/845540 P/N: 6315652	S/N: 60/224485	S/N: 10/344249	S/N: 09/776141 P/N: 6666753	S/N: 09/737667	S/N; 09/793192 S/N; 09/935957
	Country	Sn	Sn	Sn	ns	ns	Sn	sn	SN	S	US				sn	SN		S S	SN	SN	$\ \ $	SN SN
	#mg Country	ND United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	Inited States	United States	United States	United States	United States	United States	United States	United States	United States		United States United States
		THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	CUTTING ELEMENT WITH NESS, THERMAL CON UTTING EFFICIENCY	DRICAL	DRICAL	AXISYMMETRIC CUTTING ELEMENT		BLA DE	NCY	A _T	LOW OXYGEN CUBIC BORON NITRIDE U			D _N	: Si	NI NOIS			EMPERATURE	TOOLS ABRASIVES, E TOOLS		JADEITE AND ITS PRODUCTION BORON DOPED BLUE DIAMOND AND ITS U PRODUCTION
	umber	[Fled]	(Filed)	[Filed]	[Filed]	Filed	(Filed)		(Filed)	Fled	[Filed]	[Filed]	[Filed]	(Filed)	[Filed]	(Filed)	(Filed)	[Filed]	[Filed]	[Filed]	(Filed)	[Fled
·	Docket Number	60SD785 [Filed]	60SD787	60SD788	60SD788	60SD794	OUSD/95 (Filed)	9670309	60SD802	60SD805	60SD806	60SD811 [Filed]	60SD812	60SD812 [Filed]	60SD817	60SD820	60SD827	60SD831	60SD831	60SD838	60SD839	60SD839 Fried

Docket Number		Title		200000000000000000000000000000000000000		8			
			Killings Billin		First County County Filling No.1 (persone)	Filing Care	Agent	Comments	
60SD845 [Filed]	<u>চ</u>		United States	ns	S/N: 10/262784	2-Oct-02	,		
60SD851 (Filed)	ē.	Z.	United States	Sn	S/N: 09/387863 P/N: 6475254	16-Nov-01			
60SD851 (Filed)	<u> </u>	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	ns	S/N: 10/174914 P/N: 6596040	19-Jun-02			
	<u>8</u>	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	ន	S/N: 09/931312	16-Aug-01			
RD14877 (Filed)	gg gg	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	United States	Sn	S/N: 652242 P/N: 4605343	20-Sep-84			
RD16334 [Filed]	듛		United States	Sn	S/N: 830414 P/N: 4690691	13-Feb-86			
RD17340 [Fled	5		United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89			
KU1/340 Filed	ତ୍ର '	DIAMOND CRYSTAL GROWTH PROCESS	United States	ns	S/N; 08/150633 P/N; 5516554	10-Nov-93			
AU1803/ [Filed]	<u> </u>	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	SD	S/N: 48176 P/N: 4797138	11-May-87			
RD18037 (Filed)	<u> </u>	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	SN	S/N: 07/048176 P/N: 4797138	11-May-87	2		
	ă		United States	Sn	S/N: 07/744815 P/N: 5310447	12-Aug-91			
RD18402 [Filed]	Įp.	급	United States	Sn	S/N: 224416 P/N: 4842677	26-Jul-88			
RD18693 Fled	5	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUB STRATES	United States	S)	S/N: 07/653556 P/N: 5190823	11-Feb-91			
RD19369 [Filed]	5	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING	United States	ns	S/N: 07/407179 P/N: 5110579	14-Sep-89			
RD19369 [Filed]	Ç	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING	United States	Sn	S/N: 07/859753 P/N: 5273731	30-Mar-92			•
RD19567 (Filled)	둫	EET AND RAKING SA	United States	sn	S/N: 07/537963 P/N: 5464071	13-Jun-90			
RD20142 [Filed]	F F		United States	sn	S/N: 08/163608 P/N: 5419276	6-Dec-93		٠	
RD20142 [Filed]	튷	· VERY HIGH	United States	SN	S/N: 08/368732 P/N: 5540904	4-Jan-95	-		-
RD20790 (Filed)	<u> </u>	S BY	United States	Sn	S/N: 07/948077 P/N: 5204145	21-Sep-92		·.·	
RD20983 [Inactivated]	ctivated	ARTIFICIAL POLYMER LATICES IN CORESHELL FORM AND METHOD OF PREPARATION	United States	SN	S/N: 07/980,444 P/N: 5356955	23-Nov-93			
RD21018 [Filed]	<u> </u>	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	sn	S/N; 07/653556 P/N; 5190823	11-Feb-91			
RD21033 (Filled)	ଟ୍ଲ	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	ns	S/N: 07/722575 P/N: 5190796	27~Jun-91			

Oocket Number		Title	Filling Country	Country	Filing Country Country Filling No Trype/SAIPN	Filling Date	Acient	Agent Comments	
. 1001000				Code			,	3	
		ME HOU OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	s D	S/N: 08/119448 P/N: 5869133	9-Sep-93	•		
RD21356 [Fled]		METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	Sn	S/N: 07/845992 P/N: 5175929	4-Mar-92			
RD21493 [Filed]		COATING ON ICLE S MADE	United States	sn	S/N: 07/738758 P/N: 5188643	1-Aug-91			.
RD21661 [Filed]	Ged	PREHEATER FOR CVD DIAMOND REACTOR	United States	<u>s</u>	SAN DRIDDENTY DAN: E470074				
RD21796 [Filed]	led)	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	S	S/N: 08/248896 P/N: 5419798	14-Sep-94 25-May-94			.
RD22021 (Filled)	lled		United States	SD	S/N: 07/859753 P/N: 5273731	30-Mar-92			
RD22055 [Filed]			United States	Sn	S/N: 07/991798 P/N: 5300313	16-Dec-92			-
RD22294 [Filed]		LIZED VIAS IN	United States	Sn	S/N: 08/188877 P/N: 5382758	31-Jan-94			ı
RD22486 [Filed]		YB ONC	United States	sn	S/N: 07/948077 P/N: 5204145	21-Sep-92			
RD22514 [Filed]	•	ຍ	United States	SN	S/N: 08/096392 P/N: 5391229	26-Jul-93	0		
RD22530 [Filed]		- S	United States	sn	S/N: 08/172797 P/N: 5397396	27-Dec-93			
RD22721 [Filed]		ONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98			
RD22800 [Filed]		TUNGSTEN METALIZATION OF CVD DIAMOND	United States	Sn	S/N: 08/100406 P/N: 5346719	2-Aug-93			
RUZZB/O [Filet		EKWAL	United States	US	S/N; 08/316995 P/N; 5445106	3-Oct-94	•		
RD22980 [Filed]			United States	US	S/N; 08/261358 P/N; 5424096	13-Jun-94			
RD22980 [Filed]		CHEMICAL ND	United States	sn	S/N; 08/364568 P/N; 5437728	27-Dec-94		·	
RD23162 [Fled]		XLES BY AND THE EREIN	United States	SN	S/N: 08/119448 P/N: 5869133	9-Sep-93		- 1	
RD23356 Filed			United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94			
RD23427 [Filed]		Z	United States	US	S/N; 08/188877 P/N: 5382758	31~Jan-94			1
		œ	United States	SN	S/N: 08/538656 P/N: 5706135	3-Oct-95			-
RD23502 (Filed)			United States	S	S/N: 08/26/161 P/N: 3466934	10-01II-64			-
RD23503 [Filed]			United States	S	S/N: 08/261358 P/N: 5424096	13-Jun-94			.
RD23511 [Filted]		໘	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94			ļ
RD23716 [Filed]		SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	ns	S/N; 08/248896 P/N: 5419798	25-May-94			. [
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		Agent Comments							+	-			-						·		<u>.</u>		•			
•		- I	22-Feb-96 7-Dec-94		7-Jul-95	3-Oct-94	27-Mar-95	27-Dec-94	7-hil-95	7-Jul-95	1-Jun-95	30-Nov-98	14-Jan-00	14-Jan-00	14-Feb-01	27-Dec-99	9-Jun-00	29-Oct-99		23-May-00	٠.	26-Fab-01		26-Sep-02	4-Dec-00	14-Aug-03
		Country Country Filling No /Type/SNIPN Code	S/N: 08/605417 P/N: 5659415 S/N: 08/350572 P/N: 5626909		S/N: 08/499238 P/N: 5634369	S/N: 08/316998 P/N: 5525815	S/N: 08/411181 P/N: 5503104	S/N: 08/364568 P/N: 5437728	S/N: 08/499237 P/N: 5636545	S/N: 08/499502 P/N: 5634370	S/N: 08/457551 P/N: 5567985	SN: 09/201384 P/N: 6152977	S/N: 09/484389 P/N: 6350191	S/N: 09/484392 P/N: 6406776	S/N: 09/783441	S/N: 09/472104 P/N: 6258721	S/N: 09/591189 P/N: 6242351	S/N: 09/430477 P/N: 6377340		S/N; 09/576794 P/N; 6372002		CM: 00/703313 DM: 6541115		S/N: 10/255431	S/N: 09/729525	134047 -1 Provisional (Filed) S/N - Co 4/195 / 4 8
		Code	S) S)		S)	Sn	SN	<u>s</u>	ns	S	ನ	S	Sn	Sn	Sn.	8 3	S S	Sn		Sn		<u> </u>		S)	Sn	S
		Filling Countr	United States United States		United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States		United States		Inited States		United States	United States	United States
			FABRICATION OF BRAZABLE IN AIR TOOL		1		-		11	- 1	_	CING	CING		Q	ICRO SLURRY FOR CHEMICAL- IL PLANARIZATION OF SEMI R WAFERS	- 'AL-	\vdash	DIAMONDS THAT HAVE BEEN PROCESSED A THIGH PRESSURE AND HIGH TEMPERATURES	FUNCTIONALIZED DIAMONDS WITH	ENMANCED RE LEN ION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING	FUNCTIONALIZED DIAMONDS	O	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES		SAW BLADES
		BD23217 ISLA		RD23927 [Flex]		BD24062 rm. 2	RD24111 Filed		RD24416 [Filed]	RD24450 (Fled		RD25160 [Filed]	RD25160 (Filed)	RD25160 [Filed]	RD25308 [Filed]	RD27003 [Filed]	RD27003 [Filed]	RD27642 [Filed]		RD27888 [Filted]		DD08182	COLONIA	RD28183 [Fled]	RD28271 [Filted]	134047 (FBed)

Charles Nimber		Carrier Company Compan	0.0000000000000000000000000000000000000				
	21806	rimg Country	Country Countr	Firmig Gountry Country Filling NeJType/SNIPN	Filling Date Agent Comments	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	SO	Resued S/N: 09/167 196 P/N: 6.187 068[[Awattho]	[Awailtno]		
	COMPACT WITH DISCRETE PARTICLE SIZE				90/1/4		
fAveatherd	AREAS				10/5/20		
(Times and	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	SN	[Issued] S/N: 08/523,868 P/N: 5,645,617 [Awaiting]	(Awalting)		
	COMPACT WITH IMPROVED IMPACT AND						•
10 mm	THERMAL STABILITY				9/6/95		
Thurs and	COMPOSITE POLYCRYSTALLINE COMPACT	United States US	Sn	Design S/N: 08/415 693 P/N· K 564 K11 [Awailling]	[Awaffbro]		
	WITH IMPROVED FRACTURE AND						
	DELAMINATION RESISTANCE				76/2/V		
[Awating]	HIGH PRESSURE/HIGH TEMPERATURE	United States 115	T	200 - 10 CA 1700 740 PM: P 041 000	2		
	PISTON-CYLINDER APPARATUS			[issued] SIN: U1134,716 F/N: 5,244,368 [Awarmg]	[Awaiting]		
[Awaithg]	HIGH PRESSURE REACTION VESSEI	I Inited Chates	Ţ		14/5//1		
		ounce states los	3	Issued) S/N: 07/8Z6,809 P/N: 5,236,674 [Awaiting]	[Awatting]		
[Awailing]	Modified Fub Agerras				1/28/92		
3	MODIFIED END ASSEMBLY FOR HIGH	United States US	Sn	(Issued S/N: 07/660,332 P/N: 5,190,734 (Awating)	[Awatting]		
	PRESSURE, HIGH TEMPERATURE REACTION						
	VESSELS				722191		
[Awailing]	HIGH STRENGTH COMPOSITE COMPONENT	United States 115		24 CEO 3 : NO 3CE 2716 S.W. E 020 4.77	Passablend		
				2/6/100/141 2000 1111. 0:001 141 Control 2/6 / DO	2/4/6		
[Awailing]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		7.00 C	A to CO O	T	
	ACT.						•
	RESISTANCE				18/18	:	
[Awailing]	COMPOSITE COMPACT WITH A MORE	United States	ns	Resused S/N: 07/390,204 P/N: 5,011,509 (Awaithg)	(Awaithg)		
	THERMALLY STABLE CUTTING EDGE AND				00/1/2		
	METHOD OF MANUFACTURING THE SAME	•			181612		
[Awaithg]	COMPOSITE ABRASIVE COMPACT HAVING	United States US		fissued S/N: 07/151,942 P/N: 4,871,377 [Awarthq]	[Awaithg]		
	HIGH THERMAL STABILITY AND TRANSVERSE				00/0/2		
	RUPTURE STRENGTH				201517		
[Awalting]	MATRIX CUTTER	United States US		[Flact] S/N: 10/183,098	[Awalting]		
[Awaithg]	ENHANCED METHOD FOR MAKING CVD	United States US		[Filed] S/N: 10/161,266	[Awailthg]		
	DISMOND				1.3/5		

APPENDIX B

CONFIRMATORY ASSIGNMENT OF PATENTS GENERAL ELECTRIC COMPANY TO GE SUPERABRASIVES, INC.

		Filling Country	Country	FIIII G Country Country Filling No /Type/SMIPN	Filing Cate	Agent C	Agent Comments
112200 [Fled]	POLYCRYSTALLINE DIAMOND TIPS ON	I Inited States	1000	Description of the Contament			
	CUTTERS FOR HIGH SPEED DISC SAWHEADS	סייונפת כושופט	*	Frovisional (Fled) 5/N: 50/4/3511	23-May-03		
	FOR APPLICATION IN THE TIMBER INDUSTRY	*				. · · · .	
123571 (Filled)	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	SD.	Provisional [Filed] S/N: 60/438957	9-Jan-03	 -	
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	S S	S/N: 10/172,034	14-Jun-02		
	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	sn	Provisional [Fled] S/N: 60/395,182	10-Jul-02		-
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	ន	S/N: 10/458903 P/N: 6666753	11-Jun-03		in C
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE, PROFILE DESIGNED WITH MINIMIZED AXIAL SLIBEACE	United States	sn	Provisional [Filed] S/N: 60/395,181	10-Jul-02	-	
	RESIDUAL STRESSES						
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE	United States	Sn	S/N: 10/455008	5-Jun-03		
175105	RESIDUAL STRESSES						
(pall-1 CO 1 C7 1	ME HOU TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON	United States	sn	Provisional [Filed] S/N: 60/432222	10-Dec-02		
	BLADES FOR STABBING GRANITE						
125185 (Filed)	METHOD TO IMPROVE WEAR UNIFORMITY OF United States	United States	Sn	2/01 EL/01 N/S	9-Dec-03		
	UIAMOND-CON I AINING SEGMENTS ON BI ADES FOR STARBING GRANITE					٠.	
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND	United States	Sn	Provisional [Fled] S/N: 60/382209	21-May-02		
	ENHANCED IMPACT RESISTANCE		-				
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE		s S	S/N: 10/437469	8-Jul-03		
125877 Filted]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US 1	125877 -7 Original [Filed]		 - :	
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH	United States	Sn	Provisional (Filed S/N: 60/399778	31-Jul-02		
	GLASS	Т					
126360 (Filed)	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	s T	Provisional [Filed] S/N: 60/391707	26-Jun-02	,	
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE	United States	SA.	S/N: 10/437516	14-May-03		
	MATERIALS	\neg				1	
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN	United States	S S	Provisional [Filed] S/N: 60/414987	1-Oct-02		
	CARBIDE SUBSTRATES		-				
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES		s S		17-Jul-03		
129177 Fited]	EXTRUSION AND COMPOUNDING EQUIPMENT United States COMPONENTS WITH IMPROVED WEAR RESISTANCE		SU .	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS	United States	Sn	Provisional [Fled] S/N; 60/445615	7-Feb-03		
	FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT						

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	[Filed]		3			7-Feb-03					
	(Flled)	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING		SU P		7-Feb-03					٠
	[Filed]	_	United States	US P	Provisional (Fled; S/N: 60/445633	7-Feb-03					
	130335 Filed	ARTICLES COMPRISING AN ABRASION- RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAI	United States L	sn sn	Provisional [Fleq] S/N: 60/440455	15-Jan-03		*			
	130335 Filed	ABRASION- INTEGRALLY ERFACE TO A	United States L	SO	Provisional Fried S/N: 60/464517	22-Apr-03					
	[Filed]	NI NOIL	United States	SU	Provisional [Fled] S/N; 60/445609	7-Feb-03					
			United States L	US	Provisional [Filed] S/N: 60/445632	7-Feb-03					
-	[Filed]		United States	• •		7-Feb-03	;				
	132875 (Filted)	R _	United States U	NS Pr	529	8-Oct-03					
	133139 [Fled]	OOLS	United States U	SU SU	- ,	14-Feb-03			:		
	133140 [Filed]		United States U			7-Feb-03					
	133141 [Filed]	0,	United States L	sn .	Provisional [Filed] S/N: 60/469285	8-May-03					
	133615 [Filed]		ites		Provisional (Filed) 66/453,487	11-Mar-03					
	133794 [Filed]	-	Ites		nal [Fled] S/N: 60/470306	14-May-03			:		
	133794 [Filed]					ZZ-Oct-03					
	133920 [Fled]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	S S	Provisional [Fled] S/N: 60/469287	9-May-03					
	133975 [Fited]		United States	SO	8415	14-Aug-03					
	135143 [Fled]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON MICHOLE BOWNDED	United States	S.	Provisional [Fled S/N: 60/467311	2-May-03					:
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Title	SINTERED COMPACT FOR USE IN MACHINING United VARIOUS CAST IRON MATERIALS	COMPRESSION CONTAINER FOR United POLYCRYSTALLINE WIRE DIE	COMPACTS United	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United	United	CUBIC United	United	SUPPORTED POLYCRYSTALLINE COMPACTS United	ONE United	United	NG DIAMOND United		COATED OXIDATION-RESISTANT POROUS United ABRASIVE COMPACT AND METHOD FOR MAKING SAME	LINE SANDWICH COMPACTS United FOR MAKING SAME	ETECTION IN United	W DETECTION IN United	United AMIC MASSES	AND RESUL TING PRODUCT BRAZED COMPOSITE COMPACT IMPLEMENTS United	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE	TED POLYCRYSTALLINE United	בייים ביים בייים ב
Đ.	136255 [Filed]	145361 [FBad]	60SD10 [Filed]	60SD147 [Filed]	60SD184 [Filled]	60SD240 [Filed]	60SD242 [Filed]	60SD245 [Filed]	60SD24559 [Filed]	60SD246 Filed)	60SD249 [Filed]	60SD251 [Filed]		60SD254 [Filed]	60SD256 [Filed]	60SD257 [Filed]	60SD257 [Filed]	60SD261 [Filed]	60SD262 [Filed]	60SD303 [Fled]	60SD305 [Filed]	

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60SD30811 (Filed)	BRAZED THERMALLY-STABLE	United States	S SN	S/N: 158575 P/N: 4899922	22-Feb-88			83
	POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION				.	<u></u>		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR	United States	S	S/N: 920041 P/N: 47386689	16-Oct-86			\neg
60cD340	MAKING SAME	\neg						
605U318 Filed	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	SU SU	S/N: 07/158336 P/N: 4850523	22-Feb-88			1
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND		SU	S/N: 008491 P/N: 4832708	29-Jan-87			
60SD33 (Filed)	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON	United States	SO	S/N: 488003 P/N: 4536442	2-May-83			T-
	NITRIDE OR DIAMOND				:			
60SD332 [Filed]		П			25-Mar-85	-		Т
9050333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	\neg			3-Feb-88			T
BUSU333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	\neg			1-Sep-88			Т
Desiral accorda	MULTIGRAIN ABRASIVE COMPACTS	United States	s sn	S/N: 07/669259 P/N: 5211726	14-Mar-91			_
60SD364 (Filed)	. 	_			14-Mar-91	-		Т
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	s Sn	S/N: 7/429661 P/N: 5026960	31-Oct-89			T-
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States			12-Feb-88			Т
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE		s sn	S/N: 328347 P/N: D330206	24-Mar-89			1
FOSD390 relied	CINOMAIN CIA		T		28-Dec-an			T
1		United States	S S S S S S S S S S S S S S S S S S S	S/N; 332814 P/N; D325226	3-Apr-89			T
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING	United States	s sn	S/N; 262405 P/N; 4883500	25-Oct-88			Т
	POLYCRYSTALLINE DIAMOND GRIT	П	1		;			Т
60SD419 (Filed)	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	<u>ა</u>	S/N: 7/394349 P/N: 4985050	15-Aug-89			
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	s Sn	S/N: 7/420191 P/N: 5022894	12-Oct-89			1
60SD437 [Filed]		United States	SO	S/N: 331928 P/N: 4954139	31-Mar-89			
	POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR							
	CBN INTERFACES	Chatal Chatan	9	CAN: 328348 DAN: D324527	24-Mar-89	-		Т
60SD439 [Filed]	STUD-MOUNTED POLYCKYS I ALLINE DIAMOND CUTTING BLANK			MN: 320340 FMY: D024321				T
60SD439 [Fled]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	s S	S/N: 7/328348 P/N: 324527	24-Mar-89			T
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE	United States	S	S/N: 332828 P/N: D324056	3-Apr-89			
60SD455 Filed	CBN/CBN COMPOSITE MASSES AND THEIR	United States	S	S/N; 7/630916 P/N; 5106792	20-Dec-90			
GOSDASA (Eller)	MI II TH AYER METAL COATED DIAMOND	United States	S	S/N: 07/857132 P/N: 5250086	25-Mar-92	-		
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60SD461	(Filed)	BRAZED THERMALLY-STABLE POLYCRSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	Sn	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 Filedj	Filed	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	SN	S/N: 07/479486 P/N: 4981818	13-Feb-90		
	[Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	Sn	S/N: 08/127964 P/N: 5508071	28-Sep-93		<u> </u>
60SD498	Filed	CVD DIAMOND FOR COATING TWIST DRILLS	United States	Sn	S/N: 07/563367 P/N: 5096736	7-410-00		1
	(Filed)	CVD DIAMOND COATED TAKET DRILLS	United States	ns	S/N: 07/929239 P/N: 5256206	14-Aug-92		T
	Filed	USING THERMALLY-STABLE DIAMOND OF	United States	S	S/N: 07/555879 P/N: 5022801	18~Jul-90		Τ
		CBN COMPACTS AS TIPS FOR ROTARY DRILLS		3	S/N: 07/577379 P/N: 5273557	4-Sep-90		
	[Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	Sn	S/N: 07/547651 P/N: 5360479	2-Jul-90		
	[Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	Sn	S/N: 07/773461 P/N: 5266236	9-Oct-91		T -
	(Filed)	l	United States	SN	S/N: 08/400555 P/N: 5491002	8-Mar-95		T
60SD567 ([Filed]	COATING ETHOD	United States	SN	S/N: 07/710725 P/N: 5173091	4-Jun-91		<u> </u>
60SD576 p	(Filed)	FILMS AND	United States	S)	S/N; 07/967461 P/N; 5439492	28-Oct-92		Γ
	[Filed]	ILMS AND	United States	S	S/N; 08/220946 P/N; 5523121	31-Mar-94		1
60SD577 µ	Filed	CARBON FLUORIDE COMPOSITIONS	United States	S	S/N: 08/073991 P/N: 5380557	3-Jun-93		
	[Filed]	STRATE		S	S/N; 07/815478 P/N; 5176803	4-Mar-92		
60SD581 p	(Filed)	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	S)	S/N; 08/138888 P/N; 5387447	19-Oct-93		
60SD582 p	[Filed]	ES	United States	s	S/N: 08/032750 P/N: 5306318	17-War-93		
60SD583 p	(Filed)	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	s)	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 (I	(Filed)		United States	SN	S/N: 07/762999 P/N: 5143523	20-Sep-91		_
60SD615 p	[Fled]	TICLE ON OF R IDE	United States	SN	S/N: 07/995229 P/N: 5985228	22-Dec-92		
	[Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	SN	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 p	[Filed]	MAMOND ESSLY	United States	S S	S/N: 07/857139 P/N: 5232469	25-Mar-92		
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	States US S.N: 08/32/2841 P.N: 5510193 States US S.N: 08/39/2841 P.N: 5510193 States US S.N: 08/595715 P.N: 5603070	S/N: 08/369047 P/N: 5490963 S/N: 07/967461 P/N: 5439492 S/N: 08/095631 P/N: 5484330 S/N: 08/489877 P/N: 5560754 S/N: 08/105523 P/N: 5494477 S/N: 07/985500 P/N: 5320988	S/N: 08/060459 P/N: 5387776 S/N: 08/400556 P/N: 5544254 S/N: 08/016638 P/N: 5392633 S/N: 08/032750 P/N: 5306318	SAN: 08/143802 PIN: 5361621 SAN: 08/148803 PIN: 5465603 SAN: 08/571312 PIN: 5455996 SAN: 09/087776 PIN: 6132675 SAN: 08/127014 PIN: 5363687 SAN: 08/127964 PIN: 5508071	
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	9		Filling Country	Country	FIIII Gountry Country Filling No Type/Skiph	Piling Date Agent Comments	Agent	Comments
60SD712 FF	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS	United States	S S	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Fil	(Filed)	METHOD FOR ENHANCING THE TOLIGHNESS	I Inited Ctoton	2	TAL DOMESTIC TALL FORESTEE			
7.5000	.		Sales Olaies		5/N: 08/654815 P/N: 56/2395	29-May-96		
60CD715 Filed		ANNULAR DIAMOND BODIES	United States		S/N: 08/311658 P/N: 5551277	23-Sep-94		
		SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	ร	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 (Filed)	Hed	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	sn	SN: 08/616997 P/N: 5773140	14-Mar-96		
	(Filed)	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	sn Sn	S/N: 08/412050 P/N: 5660075	28-Mar-95		
	[Filed]	0	United States	s Sn	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 (FI	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	SN S	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731 Filt	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	Sn	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 (Filt	[Filed]	MULTILAYER CVD DIAMOND FILMS	П		S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 FII.	Filed)			Sn	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 File	(Filed)	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	s Sn	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 Filted	lled)	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA \$/1/97	United States	s sn	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 FREE	iled	F. S	United States	sn	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 FR	[Fited]		United States	s	S/N: 09/131460 P/N: 6196910	10-Aug-98		
4	Filed				S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 FP	(Filed)	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	s sn	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Fled]	F			s sn	S/N: 08/77/222 P/N: 5829541	27-Dec-96		
60SD772 [Filted]	(Jeed)	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS			S/N: 08/779417	7-Jan-97		
60SD772 FPR	[Filed]				S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	[jed]		United States	s SN	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784 [Filed]	lled)	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS PRACE OF AMERICAN PRACE OF AMERICAN PRACE OF AMERICAN PRACE OF AMERICAN PROPERTY OF THE PRACE OF	United States	<u>နာ</u>	S/N: 08/874769 P/N: 5858525	13-Jun-97	,	
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THERNALLY-OFF USED BORON DAMOND AND United States US SN: 096561128 PN: 8322891	Docket Number	Title	Filling Country	Country	FIIIng No/Type/SNIPN	180000	000000	mments		
ITE PRODUCTION	60SD785 (Filed)	THERMALLY-DIFFUSED BORON DIAMOND AND	United States		S/N: 09/561128 D/N: 6322891	28. Apr. 00	_			
SUPERBREASURE CULTING ELEMENT WITH Pulled States US SIN: 09/783171 PN: 6009993 SUPERBREASURE CULTING ELEMENT WITH PULLED STATES SET		ITS PRODUCTION				20-14-02				٠
WIRE DRAWING DIE WITH HON-CYLINDRICAL United States US SIN: 08/95/0004 PIN: 595/7005 STREESES STREESES US STREESES STREE	(Filed)	SUPERABRASIVE CULTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CULTING EFERCISACY	United States	•	S/N: 08/783171 P/N: 6009963	14-Jan-97			i	:
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AMSYMMETRIC CUTTING ELEMENT United States US Sin: 09/492095 PNi: 6280640	60SD788 (Filled)	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States		S/N: 09/358271 P/N: 6314836	21-Jul-99			· T	
SELVED POLYCRYSTALLNE CUTTER United States US SIN: 09/07/2471 PRV: 6102743 ITTANUM CHROMUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR PRODUCTION OF COLORESS AND FANCY COLORED DIAMOND THORIP PRESSURE APPARATUS HANNG THORIP PRESSURE APPARATUS HANNG THORIP PRESSURE APPARATUS HANNG THORIP PRESSURE APPARATUS HANNG THORIP PRESSURE APPARATUS FOR CUTTING CORRESPONDING NINTRIDE OCNERSPONDING NINTRIDE OCNERSPONDING MACHOD CORRESPONDING MACHOD CORRESPONDING POWER MITIGATES TRISLES STRESSES AND CORRESPONDING RIVER THORIP OCNERSPONDING PROWER METHOD AND APPARATUS FOR CUTTING MITIGAT FRESSURE AND HIGH TEMPERATURE MIGH PRESSURE AND HIGH TEMPERATURE MIGH P	60SD794 [Filled]	AXISYMMETRIC CUTTING ELEMENT	United States		S/N: 09/492095 P/N: 6260640	27- lan-00			7	
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BORON DOPED BLUE DIAMOND AND ITS United States US S/N: 09/935957	60SD839 [Filled]		United States		S/N: 09/799192	5-Mar-01	+		T	
	60SD845 [Filted]		United States		S/N: 09/935957	23-Aug-01				:

Docket Number	Title	Filling Country	Country	Filling Country Country Filling No/Type/SNIPN	Filling Clays			
EDS DRAG			Code		***		CHIS	
		United States	s S	S/N: 10/262784	2-Oct-02			
OUSUSST (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	sn	S/N: 09/987863 P/N: 6475254	16-Nov-01	-		Т
	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREO FIN VITREOUS MATRIX COMPOSITES	United States	Sn	SIN: 10/174914 P/N: 6596040	19-Jun-02	-		
	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	ns	S/N: 09/931312	16-Aug-01	-		7
	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRA L HEAT SINK	United States	sn	S/N: 652242 P/N: 4605343	20-Sep-84			
	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	1	Sn	S/N: 830414 P/N: 4690691	13-Feb-86	+		1
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	П	SN	S/N; 07/332914 P/N; 5261959	4-Apr-89			T
	POLYCRYSTALINE DIAMOND AND CBN	United States United States		S/N: 08/150633 P/N: 5516554 S/N: 48176 P/N: 4797138	10-Nov-93 11-May-87			Π
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	SO	S/N: 07/048176 P/N: 4797138	11-May-87			\top
	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	Sn	S/N: 07/744815 P/N: 5310447	12-Aug-91	-		Т
RD18402 [Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	S)	S/N; 224416 P/N: 4842677	26-Jul-88			1
RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUB STRATES	United States	S S	S/N; 07/653556 P/N; 5190823	11-Feb-91			T.
RD19369 [Filed]	RENT DIAMOND FILMS NG	1	SU.		14-Sep-89			
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING		ន		30-Mar-92		•	
RD19567 [Filled]		United States		S/N: 07/537963 P/N: 5464071	13~Jun-90			
RD20142 [Filted]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	S S	S/N: 08/163608 P/N: 5419276	6-Dec-93			
RD20142 [Filted]			SO.	S/N: 08/368732 P/N: 5540904	4-Jan-95			
RD20790 Filed)	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	s _n		21-Sep-92		: , .	
RD20983 [Inactivated]	ARTIFICIAL POLYMER LATICES SHELL FORM AND METHOD OF	United States	s Sn		23-Nov-93			· ·
RD21018 [Fled]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	SD.		11-Feb-91			. П
RD21033 [Fled]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	Sn	SN: 07/722575 PN: 5190796	27~lụn-91			

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RD21034 Illuserthanted	Inactivated	METHOD OF OBODI ICING ABTICLES BY		Code			
		CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	3	S/N: 08/119448 P/N: 5869133	9-Sep-93	
RD21356 [Filed]	[Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	ns	S/N: 07/845992 P/N: 5175929	4-Mar-92	
RD21493		METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLE S MADE THEREFROM	United States	Sn	S/N: 07/738758 P/N: 5188643	1-Aug-91	
RD21661	[Filed]		Inited States	9			
RD21796	(Filed)	DRMATION	United States	S	S/N: 08/248896 P/N: 5419798	14-Sep-94 25-May-94	
RD22021	[Filed]	SUBSTANTIALLY TRANSPARENT FREE	United States	Sn	S/N: 07/859753 P/N: 5273731	30-Mar-92	
RD22055 [Filed]	[Filed]		United States	Sn	S/N: 07/991798 P/N: 5300313	16.Dec-02	
RD22294 [Fled	Fled			!		76-287-61	
			United States	s O	S/N: 08/188877 P/N: 5382758	31-Jan-94	
RD22486 [Filed]	Filed	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	sn	S/N: 07/948077 P/N: 5204145	21-Sep-92	
RD22514	[Filed]	U	United States	ns	S/N: 08/096392 P/N: 5391229	26-Jul-93	
RD22530 (Filed)	Filed		Inited States	91	CAL: 08/477707 DAL: 6207306	000	
		G THERM	Selled States		514. 00 17.151 TIN. 5591590	58-580-77	
RD22721 p				ns	S/N: 09/206721 P/N: 6126741	7-Dec-98	
RD22800 (1		TUNGSTEN METALIZATION OF CVD DIAMOND	П		S/N: 08/100406 P/N: 5346719	2-Aug-93	
(RD22976 (I	,		United States		S/N: 08/316995 P/N: 5445106	3-Oct-94	
RD22980 [Filed]	Filed		United States		S/N: 08/261358 P/N: 5424096	13-Jun-94	
RD22980 [Filed]		;AL	United States	SN	S/N: 08/364568 P/N: 5437728	27-Dec-94	v
RD23162 [Flled]		METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	SN.	S/N: 08/119448 P/N: 5869133	9-Sep-93	
RD23356 Filed]	Flled	α	United States	នា	S/N: 08/264268 P/N: 5437891	23-Jun-94	
RD23427 (1	(Filed)	ZED VIAS IN	United States	Sn	S/N: 08/188877 P/N: 5382758	31-Jan-94	
RD23481 [Filed]	Filed	α	United States	SN	S/N: 08/538656 P/N: 5706135	3-Oct-95	
RD23502 (1	[Fled]	AMOND	United States		S/N: 08/267181 P/N: 5468934	15-Jun-94	
RD23503 [Fled]	Filed)				S/N: 08/261358 P/N: 5424096	13-Jun-94	
RD23511 [Filed]		S				20-Jun-94	
RD23716 [Filed]		SUPPRESSION OF GRAPHITE FORMATION URING LASER ETCHING OF DIAMOND	United States	S S	S/N; 08/248896 P/N; 5419798	25-May-94	

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	Docket Number		F##19 Country Cour	intry Country Filling No /Type/SM/PN	Hiling Cate Agent Co	Comments	
	RD23717 [Fled]	ULTRAFAST OPTICAL MODULATOR	United States US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
	(paila) 610670V				7-Dec-94		*
	RD23927 [Filed]	TE DIAMOND WIRE DIE	United States US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
	[Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States		3-Oct-94		
		SYNTHETIC DIAMOND PRODUCT	United States		27-Mar-95		
	(Filed)	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	S/N: 08/364568 P/N: 5437728	27-Dec-94		
	[]	COMPOSITE DIAMOND WIRE DIE	United States		7_hrt-95		
	Filled	COMPOSITE DIAMOND WIRE DIE	United States US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
		METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States		1-Jun-95		
	RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
	RD25160 [Filed]	ACE-FUNCTIONALIZED DIAMOND	United States US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
		CRYSTALS AND METHOD FOR PRODUCING SAME					
	RD25160 [Fled]	 	United States US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
1	RD25308 [Filed]	8	United States US	S/N: 09/783441	14-Feb-01		*
	RD27003 [Filted]	DIAMOND MICRO SLURRY FOR CHEMICAL- MECHANICAL PLANARIZATION OF SEMI	United States US	SIN: 09/472104 P/N: 6258721	27-Dec-99		
	RD27003 [Filed]	RY FOR CHEMICAL-	United States US	S/N: 09/591189 P/N: 6242351	00-un(-6		
·	RD27642 [Filed]	IN OF NATURAL BEEN PROCESSED A T HIGH TEMPERATURES	United States US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
	RD27888 [Filed]	CING CING	United States US	s/N: 09/576794 P/N: 6372002	23-May-00		
	RD28183 [Fled]	∑	United States US		26-Feb-01		
**	RD28183 [Filted]	NE FR OM	United States US		26-Sep-02		
	RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States US		4-Dec-00		
	134047 [Filed]	SAW BLADES	United States US	134047 -1 Provisional (Filed)	14-Aug-03		
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		,	Code		9	,	
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US		fissued S/N: 09/167,196 P/N: 6,187,068 [Awalthg]	(Awaiting)		
	COMPACT WITH DISCRETE PARTICLE SIZE						
	AREAS						
[Awaiting]	٥	United States US		[Issued] S/N: 08/523,868 P/N: 5,645,617 [Awalthq]	(Awalling)		
	COMPACT WITH IMPROVED IMPACT AND						
	THERMAL STABILITY						
[Awatthg]	COMPACT	United States US	Γ	Issued S/N: 08/415.693 P/N: 5.564.511 [Awating]	[Awalling]		
					}. 		•
	DELAMINATION RESISTANCE						
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE	United States US	Sn	Page 18/10 07/792 716 P/N· 6 244 369 [Awather	[Awesthown]		
	PISTON-CYLINDER APPARATUS						
[Awaithg]	HIGH PRESSURE REACTION VESSEL	United States US	Si	Issued S/N: 07/826.809 P/N: 5.236.674 (Awating)	(Awaiting)		
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[Awailing]	MODIFIED END ASSEMBLY FOR HIGH	United States US	ns	Issued S/N: 07/660.332 P/N: 5 190 734 [Awatthq]	[Awaffing]		
	PRESSURE, HIGH TEMPERATURE REACTION	,	,		l		
	VESSELS						
(Awailing)	ENGTH COMPOSITE COMPONENT	United States	S	Assued S/N: 07/153,725 P/N: 5,032,147 [Awating]	[Awaiting]		
[Awailing]	COMPOSITE POLYCRYSTALLINE DIAMOND	United States US	Sn	nssued S/N: 07/390,208 P/N: 5,011,515 [Awath g]	[Awatthg]	L	
	COMPACT WITH IMPROVED IMPACT		<i>i</i>				
	RESISTANCE						
[Awaiting]	COMPOSITE COMPACT WITH A MORE	United States	ns	Resulted S/N: 07/390,204 P/N: 5,011,509 [/Awathrd]	[Awaiting]	L	
	THERMALLY STABLE CUTTING EDGE AND						
	METHOD OF MANUFACTURING THE SAME						:
[Awalting]	COMPOSITE ABRASIVE COMPACT HAVING	United States US		fissund S/N: 07/151,942 P/N: 4,871,377 [IAwathn]	[Duggemy]		
	HIGH THERMAL STABILITY AND TRANSVERSE						
	RUPTURE STRENGTH	*	,				
[Awaithg]	MATRIX CUTTER	United States US	s	[Flact] S/N: 10/183,098	[Awafthg]	:	
[Awalling]	ENHANCED METHOD FOR MAKING CVD	United States US	s D	Tried S/N: 10/161,266	(Buneav)		
	DIAMOND		bracket				

Docket Number	ille	Filling Country	Country	Fiffing Country Country Filling No./Type/SNIPN	Filling Clate	Agent	Agent Comments	
112200 Filed	POLYCRYSTALLINE DIAMOND TIDE ON	Interest	8 00 1	The second secon				
•	CUTTERS FOR HIGH SPEED DISC SAWHEADS			Provisional (Filed) S/N: 60/4/3511	23-May-03			
	FOR APPLICATION IN THE TIMBER INDUSTRY					*		
123571 [Fled]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	SO	Provisional (Filed) S/N: 60/438957	9-Jan-03			
	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	Sn	S/N: 10/172,034	14-Jun-02			
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	sn	Provisional [Fled] S/N: 60/395,182	10-Jul-02			
124337 Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	Sn	S/N: 10/458903 P/N: 6666753	11-Jun-03			
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	Sn	Provisional [Fited] S/N: 60/395,181	10-Jul-02			
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINMIZED AXIAL SURFACE RESIDIAL STRESSES	United States	SN SN	S/N: 10/455008	5-Jun-03			
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF United States DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	·	S	Provisional [Fled] S/N: 60/432222	10-Dec-02	1		
	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE.	United States	SN		9-Dec-03			
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	SU	Provisional [Filed] S/N: 60/382209	21-May-02			
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	S)		8-Jul-03			<u> </u>
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	გ _	125877 -7 Original [Filed]				
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	SD	Provisional [Filed] S/N: 60/399778	31-Jul-02			
126360 Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	SU	Provisional (Fled S/N: 60/391707	26-Jun-02			·
126360 (Filed)	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS			S/N: 10/437516	14-May-03			
126855 [Fled]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	SN	Provisional [Fled] S/N: 60/414987	1-Oct-02			
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES		Sn		17-Jul-03		-	
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT United States COMPONENTS WITH IMPROVED WEAR RESISTANCE			Provisional [Fled] S/N: 60/445631	7-Feb-03			
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	SD .	Provisional (Filed S/N: 60/445615	7-Feb-03		-	

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129182 F	(Filed)		United States	<u>s</u>	Provisional (Filed) S/N: 60/445614	7-Feb-03			
129184 [Fited]	Fleed			<u>s</u>	Provisional (Filed) S/N: 60/445659	7-Feb-03			Ī
129892 [F	(Filed)	RICE	I	മ	Provisional [Fled] S/N: 60/445633	7-Feb-03			T
130335 [Filed]	Filed	ARTICLES COMPRISING AN ABRASION- RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAI	United States	sn	Provisional (Fled) S/N: 60/440455	15-Jan-03			T
130335	[Filed]		United States	Sn	Provisional Fled S/N: 60/464517	22-Apr-03			
131068 [Filed]	Filed	NTION IN	United States	Sn	Provisional (Fled S/N: 60/445609	7-Feb-03			
132255	[Filed]	AIRCRAFT ENGINE WEAR PARTS C. IPPER BI ADE SETS AND COMPS WITH	United States	S	Provisional [Filed] S/N: 60/445632	7-Feb-03			Π
0.770	ineo)			3	Provisional [Filed] S/N; 50/443510	/-reb-03	÷		
132875 p	(Filed)	Ř	United States	S	Provisional [Fled]	8-Oct-03			
133139 [Filed]	Fled	SOLS	United States	S	Provisional pried S/N: 60/447608	14-Feb-03			
133140 [Filed]	Filed	WITH			Provisional [Filed] S/N: 60/445613	7-Feb-03			
133141 p	[Filed]	ruous	United States	SN	Provisional [Fled] S/N: 60/469285	8-May-03			
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133615 [Filed]	Filed)		United States		Provisional [मास्त]	11-Mar-03			
133794 [[Filed]	Ţ.	United States	Sn	Provisional [Filed] S/N: 60/470306	14-May-03			T
133794 p	[Filed]	INTO TE HOT-	United States	NS		22-Oct-03		, and	
133920 [Filed]	Filed	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	sn	Provisional Filed S/N: 60/469287	9-May-03			
133975 µ	[Filed]		United States		Provisional (Filed)	14-Aug-03			•
135143 p	[Filed]	BRASIVE TOOLS ID OR CUBIC BORON	United States	Sn	Provisional [ਜed] S/N: 60/467311	2-May-03			\neg
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	SIN I EKEU COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	s 5	Provisional (Fled)	3-Dec-03			
		United States	sn	Provisional (Filed)	10-Dec-03			Ī
	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PA RTICLE LAYERS	United States	sn	S/N: 219289 P/N: 4311490	7-Sep-88	-		
	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	Sn	S/N: 823893 P/N: 4673414	29-Jan-86	+-		
	GANG SAW FOR CUTTING BLOCKS OF STONE United States	United States	S	S/N: 515448 P/N: 4498450	20-Jul-83			
	PROCESS FOR MAKING DIAMOND AND CUBIC United States BORON NITRIDE COMPACTS	United States	sn	S/N: 542081 P/N: 4525179	14-Oct-83	-		
	ND AND CUBIC	United States	Sn	S/N: 488003 P/N: 4536442	2-May-83			
60SD245 [Filed]			ns	S/N: 818850 P/N: 4797326	14-Jan-86			
(pa)	SUPPORTED POLYCRYSTALLINE COMPACTS			S/N: 818850 P/N: 4797326	14-Jan-86			
(Filed)	GANG SAW FOR CUTTING BLOCKS OF STONE United States		Sn	S/N: 515448 P/N: 4498450	20-Jul-83			
(Filed)		United States	Sn	S/N: 536221 P/N: 4518659	23-Sep-83			
[Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	SN	S/N: 552081 P/N: 4525179	14-Oct-83			
60SD254 (Filed)	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	SN	S/N: 06/920041 P/N: 4738689	16-Oct-86			
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	SN	573	30-Nov-88		-	
[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	United States	Sn	47	4-Feb-85		*	
Filed	SYSTEM FOR IMPROVED FLAW DETECTION IN United States POLYCRYSTALLINE DIAMOND	United States	sn	S/N: 8491 P/N: 4832708	27~Jan-87			
[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESUL TING PRODUCT	United States	Sn	S/N: 7/366943 P/N: 5043120	16-Jun-89			
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS United States	United States	SN	SIN; 624064 P/N: 4527998	25-Jun-84			
(Filed)	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	Sn	S/N: 07/358728 P/N: 4951427	30-May-89			
(Filed)	STUD-MOUNTED POLYCRYSTALLINE	United States	SN	S/N: 7/192872 P/N: D317010	11-May-88			
[Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT	United States	SN	S/N: 7/365268 P/N: 4931363	12-Jun-89	•		
	WORKPIECES AND THEIR FABRICATION							

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60SD30811 [Filed]	Γ	United States	SO	S/N- 158575 D/N- 4800022	22 501 00			
	MODIFICES AND THEIR FACILITY		· ·	770000	90-0a77			
60SD347 [Eilod]	COATED OXIDATION PERIOTEST TOTAL							_
	ABRASIVE COMPACT AND METHOD FOR	United States	ន	S/N: 920041 P/N: 47386689	16-Oct-86			,
FUSD348 (Class)	MAKING SAME							_
	COMPACTS TO CARBIDE SUPPORTS	United States	sn	S/N: 07/158336 P/N: 4850523	22-Feb-88			
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN United States	United States	S	S/N: 008491 P/N: 4832708	29-Jan-87			_
60SD33 relied	OPTICAL WINDOWS MARE OF							_
	OF IICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON MITBIDE OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME STATEMENT OF SAME SAME STATEMENT OF SAME SAME SAME SAME SAME SAME SAME SAME	United States	SO	S/N: 488003 P/N: 4536442	2-May-83			
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60SD333 Filled		United States	SN	S/N: 713966 P/N: 4661180	25-Mar-85			-
605033V 151	7	United States	ns	S/N: 153466 P/N: 4828582	3-Feb-88			_
SOCOSS CT.	T	United States	ns	S/N: 793462 P/N: 4828582	1-Sep-88			_
	MULTIGRAIN ABRASIVE COMPACTS	United States	s S	S/N: 07/669259 P/N: 5211726	14-Mar-91			_
60SD364 [Filed]		7		S/N· 07/660124 D/N· 5106302	44 84 04			_
60SD367 [Filed]	LINECRN	United States	3 2	SM: 3103124 FIR. 3100332	24 O-4 00			_
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	DIAMOND AND CUBIC BORON NITRIDE	П		S/N: 156272 P/N: 4807402	12-Feb-88			_
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CLITTING BLANKS	United States	SO		24-Mar-89			_
6050300 tell-4	CIACAMAIO VOAT				3			_
		United States	3	S/N: 07/635082 P/N: 51 /2681	28-Dec-90			_
Daily Decorate					3-Apr-89	-		_
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING	United States	Sn	S/N: 262405 P/N: 4883500	25-Oct-88			
	POLYCRYSTALLINE DIAMOND GRIT							
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND	United States	sn	S/N: 7/394349 P/N: 4985050	15-Aug-89			
	METHOD FOR MAKING THE SAME	-1						
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	s S	S/N: 7/420191 P/N: 5022894	12-Oct-89			
60SD437 Filed	METHOD FOR PRODUCING	United States	Sn	S/N: 331928 P/N: 4954139	31-Mar-89			_
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	WITH FLAT CARBIDE SUPPORT/DIAMOND OR							
	CBN IN IERTACES	\neg	1	CM1. 228248 DM1. D224E27	24 Mar 80	+		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	3	S/N; 328346 P/N; D324327	60-18M-67			_
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE	United States	Sh	S/N: 7/328348 P/N: 324527	24-Mar-89			
	DIAMOND CUTTING BLANK							
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE	United States	S	S/N: 332828 P/N: D324056	3-Apr-89			_
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR	United States	S	S/N: 7/630916 P/N: 5106792	20-Dec-90	-		
	PREPARATION	\neg		*				_
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED	United States	န	S/N; 07/857132 P/N; 5250086	25-Mar-92			
	TOOLS							_
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	P/N: 4931363 12-Jun-89	S/N: 07/479486 P/N: 4981818 13-Feb-90	S/N: 08/127964 P/N: 5508071 28-Sep-93	S/N: 07/563367 P/N: 5096736 7-Aug-90 S/N: 07/929239 P/N: 5256206 14-Aug-92	SN: 07/555879 PN: 5022801 18-Jul-90 SN: 07/577379 P/N: 5273557 4-Sep-90	S/N: 07/547651 P/N: 5360479 2-Jul-90	S/N: 07/773461 P/N: 5266236 9-Oct-91	S/N: 08/400555 P/N: 5491002 8-Mar-95				S/N: 08/073991 P/N: 5380557 3-Jun-93		S/N: 08/138888 P/N: 5387447 19-Oct-93	S/N: 08/032750 P/N: 5306318 17-Mar-93	S/N: 08/005951 P/N: 5300129 19-Jan-93		SIN: 07/995229 P/N: 5985228 22-Dec-92	S/N: 07/857192 P/N: 5405573 4-May-92	S/N: 07/857139 P/N: 5232469 25-Mar-92	
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	BRAZED THERWALLY-STABLE POLYCRSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	CVD DIAMOND FOR COATING TWIST DRILLS CVD DIAMOND FOR COATING TWIST DRILLS	CVD DIAMOND COATED TWIST DRILLS USING THERMALLY-STABLE DIAMOND OR EDN COMPACTS AS TIPS FOR ROTARY ORILLS	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	MULTILAYER CVD DIAMOND FILMS	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	SMOOTH SURFACE CVD DIAMOND FILMS AND United States METHOD FOR PRODUCING SAME	SMOOTH SURFACE CVD DIAMOND FILMS AND United States METHOD FOR PRODUCING SAME	CARBON FLUORIDE COMPOSITIONS	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	METHOD FOR PRODUCING UNIFORM	PROCESS FOR MAKING COATED ABRASIVES	COATING FOR IMPROVED RETENTION OF	DUAL-COATED DIAMOND PELLETS AND SAW	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODU CTION OF	DIAMOND PELLETS AND SAW BLADE	MULTI-LAYER METAL COATED DIAMOND	
DOCKET NUMBER	60SD461 Fried BRAZ POLY WOR	60SD469 Filted POLY SUBS	(Filed)	(Filed) (Filed)	60SD504 Filed CVD DIA 60SD504 Filed USING CBN CC	60SD506 Filed ISOTO EPITA PREP	60SD518 [Filed] THER		60SD567 [Filed] CHEN FOR J	60SD576 [Filed] SMOC	60SD576 (Filed) SMOC	60SD577 (Filed) CARE	(Fled)	60SD581 [Filed] METH	60SD582 [Filed] PROC	60SD583 [Filed] COAT	60SD584 [Filed] DUAL	60SD615 Filed METH	60SD628 Filed DIAM	60SD633 (Filed) MULT	iner.i

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	SUPPORTED POYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	DIAMOND RON NITR IDE HYSICAL	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	AOND WORKPIECES	1	- 1	ne AYER OF A C SITU BONDED	용	IIC MASSES	5 ~	YSTALLINE	MEASURING THE STRENGTH OF ABRASIVE GRAINS	SS FOR MAKING COATED ABRASIVES INDING WHEELS	Ī	띩		T WITH IMPROVED		ERT	US : THEIR	TONED	A METHOD FOR MANUFACTURING A DIAMOND United States ARTICLE	DIAMOND ABRI CATED	10N OF AIR BRAZABLE DIAMOND ERTS AND INSERTS FABRI CATED
Docket Number	60SD643 [Filed]	60SD643 [Filed]	60SD645 (Filed)	60SD647 [Filed]	605D652 Filed	60SD653 Filed	non A	60SD658 [Filed]	60SD660 [Filed]	60SD662 [Filed]	60SD664 [Filed]	60SD665 [Fled]	60SD669 [Filed]	60SD690 [Filed]	60SD691 [Filed]	60SD693 [Filed]	60SD693 [Filed]	60SD694 [Filed]	60SD696 [Filed]	60SD698 [Flled]	60SD701 [Filed]	60SD708 (Filed)	60SD709 [Filed]	60SD709 [Filed]

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60SD785 (Filed)		THERMALLY-DIFFUSED BORON DIAMOND AND United States	United States		S/N: 09/561128 P/N: 6322891	28-Anr.00			
101000									
SUSIDIVA FIRED		SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CON DUCTIVITY AND CUTTING EFFICIENCY	United States	sn sn	S/N: 08/783171 P/N: 6009963	14-Jan-97	·:		
60SD788 (Fled)		+	United States	Sn	S/N: 08/950004 P/N: 5957005	14-Oct-97			
	(Filed) V	DRICAL	United States	SD S	S/N: 09/358271 P/N: 6314836	21~Jul-99			
60SD794 [Filled]		AXISYMMETRIC CUTTING ELEMENT	United States	SD	3/N: 09/492095 P/N: 6260640	27. Ian 00			
	-		United States		S/N: 09/072471 P/N: 6102143	4-Way-98			
60SD796 Filed		TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLA DE SEGMENTS AND METHOD FOR THEIR PRODUCTIO N	United States	S Sn	S/N: 09/570957 P/N: 6319608	15-May-00			
60SD802 [FIled]		ATURE IND FANCY	United States	87 8	S/N: 10/338136	8-Jan-03			
60SD805 [Filed]		ARATUS HAVING NDING RING THAT TRESSES AND	United States	Sn	SN: 09/740777 P.N: 6375446	19-Dec-00			
60SD806 (Filed)		w	United States	S	S/N: 10/001573	2-Nov-01			
60SD811 (Filed)		VER	United States		S/N: 09/988244	16-Nov-01			
60SD812 [Filed]		METHOD AND APPARATUS FOR CUTTING GRANITE	United States	s Sn	S/N: 60/139654	17-Jun-99			
60SD812 [Filed]		9	United States	sn	S/N: 10/014547	14-Dec-01			
60SD817 [Filed]		S	United States		S/N: 10/069362	25-Aug-00			
60SD820 Filed]		NI NOIS	United States	s sn	S/N: 09/901159	9-Jul-01	·		
60SD827 [Filed]		ERTS AND THEIR	United States	s Sn	S/N: 09/845540 P/N: 6315652	30-Apr-01		×	
60SD831 [Filed]		IPERATURE	United States	s Sn	S/N: 60/224485	11-Aug-00		-	
60SD831 [Filed]		ATURE	United States		S/N: 10/344249	11-Feb-03			
60SD838 Fled		XOLS BRASIVES, TOOLS	United States		SN: 09/776141 PIN: 666676 3	2-Feb-01			
60SD839 [FIled]			United States			15-Dec-00	1		Ī
			United States			5-War-01			Ţ
60SD845 [Filed]		BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	8	S/N: 09/83595 /	23-Aug-01			

Docket Number	mber	Title	IIII Country	Courtery	FIRING Country Courtery Filling No./Type/SAUPN	FIIINE CARE	Anama	brant Communit	
60SD845 (C)	9			Code		,	2		
	insect.	ANDIIS	United States	s	S/N: 10/262784.	2-Oct-02			
	(Filed)	Y GRADED COATINGS FOR STICLES AND USE THEREO FIN TRIX COMPOSITES	United States	S	S/N: 09/987863 P/N: 6475254	16-Nov-01			
60SD851	[Filed]	INGS FOR THEREO FIN S	United States	SN	S/N: 10/174914 P/N: 6596040	19-Jun-02			\top
	[Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	SN	S/N: 09/931312	16-Aug-01			
	[Filed]	SRAL	United States	ns	S/N: 652242 P/N: 4605343	20-Sep-84			
RD16334	(Filed)		United States	Sn	S/N; 830414 P/N; 4690691	13-Feb-86			
RD17340	Filed	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89			Т
RD18037	Filed		United States	Sn	S/N: 08/150633 P/N: 5516554 S/N: 48176 P/N: 4707138	10-Nov-93			П
RD18037	File	İ		3	511. 4511. 4151. 150	11-way-07			_
- 1	[non.]	אט טאי	United States	5	S/N: 07/048176 P/N: 4797138	11-May-87		*	
	(Filed)		United States	S S	S/N: 07/744815 P/N: 5310447	12-Aug-91			1
	[Filed]	긥	United States	SD.	S/N; 224416 P/N; 4842677	26-Jul-88			
	(Filed)		United States	SN	S/N: 07/653556 P/N: 5190823	11-Feb-91			Ī
	(Filed)	RENT DIAMOND FILMS NG	T-:-	SD.	S/N: 07/407179 P/N: 5110579	14-Sep-89			
RD19369	[Filed]	TRANSPARENT DIAMOND FILMS AND METHOD United States FOR MAKING	Inited States	S	S/N: 07/859753 P/N: 5273731	30-Mar-92			, 1
RD19567 [Filed]	[Filed]	ET AND MAKING SA	United States	SN	S/N: 07/537963 P/N: 5464071	13-Jun-90			
RD20142	(Filed)	VERY HIGH	United States	SN	S/N: 08/163608 P/N: 5419276	6-Dec-93			
RD20142	(Filed)	VERY HIGH	United States	SN	S/N: 08/368732 P/N: 5540904	4-Jan-95			
RD20790	[Filed]	DIAMONDS BY AND ROM	United States	S S	S/N: 07/948077 P/N: 5204145	21-Sep-92			
RD20983	[inactivated]	N CORE- PREPARATION	United States	sn	S/N: 07/980,444 P/N: 5356955	23-Nov-93			
RD21018	[Filed]		United States		S/N: 07/653556 P/N: 5190823	11-Feb-91	·		
RD21033	[Fited]	THOD OF APPLYING METAL I DIAMOND AND ARTICLES MADE	United States	Sn	S/N: 07/722575 P/N: 5190796	27-Jun-91			

Docket	Docket Number	Title	# HILL O			. [
		2022	Kumpa Ame	2000	Code Code	Filling Date A	Agent Comments
RD2103	RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SLIPPORT MANDELS LISED THEEDING	United States	SN	S/N: 08/119448 P/N: 5869133	9-Sep-93	
RD21356	6 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	Sn	S/N: 07/845992 P/N: 5175929	4-Mar-92	
RD21493	3 (Filed)	METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLE S MADE THEREFROM	United States	Sn	S/N: 07/738758 P/N: 5188643	1-Aug-91	
RD21661	31 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	SII	SAN 08/206077 DAI: E470874		
אַרצטא	35 (Filed)	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	Sn	S/N: 08/248896 P/N: 5419798	14-Sep-94 25-May-94	
RD22021	1 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	SN	S/N: 07/859753 P/N: 5273731	30-Mar-92	
RD2205	RD22055 (Filed)	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	Sn	S/N: 07/991798 P/N: 5300313	16-Dec-92	
RD2229	RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	S	S/N; 08/188877 P/N; 5382758	31-Jan-94	
RD22486 [Filed]	6 (Filed)	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	Sn	S/N: 07/948077 P/N: 5204145	21-Sep-92	
RD22514 [Filed]	4 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	SO	S/N: 08/096392 P/N: 5391229	26-Jul-93	
RD22530	O (Filed)	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERM AL SPREADER	United States	Sn	S/N: 08/172797 P/N: 5397396	27-Dec-93	
RD22721		ONVERSION	United States	NS		7-Dec-98	
RDZZ800 [Filed]	0 [Filed]	MOND	United States			2-Aug-93	
K02297	6 (Filed)		United States		•	3-Oct-94	
RD22980 [Filed]	O (Filed)	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	Sn	S/N: 08/261358 P/N: 5424096	13-Jun-94	
RD22980 [Fled]	0 [Fled]	R CHEMICAL ND	United States	S	S/N; 08/364568 P/N; 5437728	27-Dec-94	
RD23162	2 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	Sn	S/N: 08/119448 P/N: 5869133	9-Sep-93	
RD23356 [Filed]	6. [Filed].	OF VITH OR	United States	s	S/N: 08/264268 P/N: 5437891	23-Jun-94	
RD23427	7 (Filed)	D VIAS IN	United States	Sn	S/N: 08/188877 P/N: 5382758	31-Jan-94	
RD23481	(Filed)	æ			S/N: 08/538656 P/N: 5706135	3-Oct-95	
RD23502					S/N: 08/267181 P/N: 5468934	15-Jun-94	
RD23503	3 [Filed]		United States	sn	S/N: 08/261358 P/N: 5424096	13-Jun-94	
RD23511	l (Fled)	S	United States	SN	S/N: 08/262796 P/N: 5494753	20-Jun-94	
RD23716	5 [Filed]	OF GRAPHITE FORMATION SETCHING OF DIAMOND	United States	SD	S/N: 08/248896 P/N: 5419798	25-May-94	

Cocket Number	Title	Fiffing Country	Country	Filing Country Courtry Filing No JType/SMPN Code	Filling Date	Agent	Agent Comments
	ULTRAFAST OPTICAL MODULATOR	United States	ns	S/N: 08/605417 P/N: 5659415	22-Feb-96		
KD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	sn	S/N: 08/350572 P/N: 5626909	7-Dec-94	,	
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	Sn	S/N: 08/499238 P/N: 5634369	7-hil-95		
_	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	Sn	S/N: 08/316998 P/N: 5525815	3-Oct-94		
(Filed)	SYNTHETIC DIAMOND PRODUCT	United States	ജ	S/N: 08/411181 P/N: 5503104	27-Mar-95		
(Filed)	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	Sn	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	sn	S/N: 08/499237 P/N: 5636545	7, 1,1.05		
RD24447 [Filled]	COMPOSITE DIAMOND WIRE DIE	United States	Sn	S/N: 08/499502 P/N: 5634370	7-Jul-95		
(Filed)	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	sn	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	Sn	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 (Filed)	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	s	S/N: 09/484389 P/N: 6350191	14-Jan-00		
[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING S AME	United States	sn	S/N: 09/484392 P/N: 6406776	14-Jan-00		12
[Filed]	FACE ENRICHED DIAMOND AKING	United States	Sn	S/N: 09/783441	14-Feb-01		
Filed	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	SN	S/N: 09/472104 P/N: 6258721	27-Dec-99		
(Filed)	DIAMOND MICRO SLURRY FOR CHEMICAL- MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	sn	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filted]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED A THIGH PRESSURE AND HIGH TEMPERATURES	United States	S	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	sn	S/N: 09/576794 P/N: 6372002	23-May-00		9 - 2 - 3
[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES	United States	SN	S/N: 09/793312 P/N: 6541115	26-Feb-01		
[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FR OM COATED DIAMOND PARTICLES	United States		S/N: 10/255431	26-Sep-02		
[Filted]		United States		S/N: 09/729525	4-Dec-00		
	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States US		134047 -1 Provisional (Filed) S/N CO 4/95 / 4 8	14-409-03		
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Number	3	FIIIIg Country	Country	Fifth & Sountry Country Filling No/Type/SN/PN Code	Filing Date Agent) Juan	Comments	
[Awatting]		United States US		Issued S/N: 09/167,196 P/N: 6,187,068 [Awating]	(Awaffing)			
	TICLE SIZE			:	10/168	_		
[Awailing]	٥	United States US	Sn	Issued S/N: 08/523.868 P/N: 5.645.617 (Awaithg)	(Awaiting)	T		
					79.70	•		•
	THERMAL STABILITY				1672			
[Awailing]	COMPACT	United States US	SN	Issued S/N: 08/415,693 P/N: 5,564,511 [Awating]	(Awaiting)	Ī		T
	0				-1-10-		-	
Australia	DELAMINATION RESISTANCE				S/15/95			
[Humanav]	HIGH PRESSURE/HIGH TEMPERATURE	United States US	ns	Issued S/N: 07/792,716 P/N: 5.244.368	[Awaiting]	Ī		
	PISTON-CYLINDER APPARATUS		٠	(4×/)	14/12/11		•	
[]Awanmg	HIGH PRESSURE REACTION VESSEL	United States	Sn	fissued S/N: 07/826,809 P/N: 5,236,674 [Awatting]	[Awatting]			
18					1/28/92		<i>.</i>	
[Awaring]	MODIFIED END ASSEMBLY FOR HIGH	United States	ns	(Issued) S/N: 07/660,332 P/N: 5,190,734 (Awating)	(Awaiting)			
	PRESSURE, HIGH TEMPERATURE REACTION				14-7-			
	VESSELS				7122191		·	
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT	United States US		Ilssued S/N: 07/163.725 P/N: 6.032.147	[Awailing]	T		
				2/8/88	2/8/88		·-	
[Awatthg]	AMOND	United States US		Rstued S/N: 07/390,208 P/N: 5,011,615 [Awatthg]	(Awatting)			ŀ
	COMPACT WITH IMPROVED IMPACT				00/5/0			
	RESISTANCE				101/10			
[Awailing]	MORE	United States US	SN	fissured S/N: 07/390,204 P/N: 5,011,509 [Awattng]	[Awatting]			
	THERMALLY STABLE CUTTING EDGE AND				60/4/2			
	METHOD OF MANUFACTURING THE SAME				81.1101			
[Awaithg]	COMPOSITE ABRASIVE COMPACT HAVING	United States US	ns	Pissued S/N: 07/151,942 P/N: 4,871,377 [IAwatht]	[Awatting]			
	HIGH THERMAL STABILITY AND TRANSVERSE				00/6/6			
	RUPTURE STRENGTH				90 17			
[Awaiting]	MATRIX CUTTER	United States US	sn	[Fued] S/N: 10/183,098	[Awaffing]			-
[Awatting]	ENHANCED METHOD FOR MAKING CVD	United States US	sn	[Fined] S/N: 10/161,266	[Awaithg]			
	DIAMOND				6/3/0C	1		